

Curriculum Vita

I. Personal Information

Name: Shouki Abdullah Ahmed Ebad

Social status: Married

Nationality: Yemen

Current Address and Phone Numbers:

Center for Scientific Research and Entrepreneurship
Northern Border University
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Google Scholars: <https://scholar.google.com/citations?user=b9us6YsAAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0003-1043-2774>

Scopus ID: 51663211600

Clarivate/Web of Science: <https://www.webofscience.com/wos/author/record/18439>

II. Education

Year	Degree	University, Country	Major /Minor	Grade
2012	Ph.D.	King Fahd University of Petroleum & Minerals, Saudi Arabia	Computer Science & Engineering/ Software Engineering ¹	3.45 out of 4
2000	M.S.	The University of Jordan, Jordan	Computer Science / -	Very Good
1997	B.S.	Applied Science University, Jordan	Computer Information Systems / -	Very Good ²

III. Professional Experience

a. Academic Experience

¹ Dissertation title: Functionality-based software packaging approach for higher architecture stability

² The 2nd on the honor list

Year	Academic title @ College/Dept.	Place
2000- 2006	Lecturer @ College of Computer Sciences & IT	King Faisal University Al-Ahsa, Saudi Arabia
2006- 2012	Lecturer-B @ College of Computer Science & Engineering	King Fahd University of Petroleum & Minerals Dhahran, Saudi Arabia
2012– 2017	Assistant Professor @ Faculty of Computing & IT	Northern Border University Rafha, Saudi Arabia
2018- 2023	Associate Professor @ Dept. of Computer Science @ Faculty of Science (Dec. Ref. 582/40/34/٤ Date: 15/2/1440 H)	Northern Border University Arar, Saudi Arabia
2024 – Oct 2025	Professor @ Dept. of Computer Science @ Faculty of Science (Dec. Ref. 451044249 Date: 20/11/1445H)	
Nov 2025 - Now	Professor and Researcher @ Center for Scientific Research and Entrepreneurship (Dec. Ref. 462000454 Date: 27/4/1446H)	

b. Administration Experience

Year	Administrative title @ College/Dept.	Place
2012- 2013	Vice- Dean @ Faculty of Computing & IT (Dec. Ref. 236/33/1/٤ Date:27/12/1433 H)	Northern Border University Saudi Arabia
2012- 2014	Head of Information Systems Dept. @ Faculty of Computing & IT (Dec. Ref. 192/33/1/٤ Date: 23/11/1433 H) (Renewal: Dec. Ref. 236/34/1/٤ Date: 4/12/1434 H)	
2018- 2020	Secretary General of the Scientific Council (Dec. Ref. 107/40/1/٤ Date: 20/2/1440 H)	

c. Industry Experience

Year	Title role	Place
Sep 2006- Mar 2007	Research Assistant at A'afaq Project ³	King Fahd University of Petroleum & Minerals Dhahran, Saudi Arabia
2014 – 2017	Assistant Dean for Technical Affairs (Dec. Ref. 203/35/1/ق Date: 4/9/1435 H) (1 st Renewal: Dec. Ref. 213/36/1/ق Date: 21/9/1436 H) (2 nd Renewal: Dec. Ref. 211/37/1/ق Date: 22/9/1437 H)	IT Deanship, Northern Border University Arar, Saudi Arabia
May 2017- Nov 2017	Surveyor with ICT Market Study Project (2017) by CITC ⁴ & KFUPM	Northern Border Province Aljouf Province Saudi Arabia
May 2018- Nov 2018	Surveyor with ICT Market Study Project (2018) by CITC & KFUPM	
Jan 2019- July 2019	Surveyor with ICT Market Study Project (2019) by CITC & KFUPM	
Nov 2015- Jan 2021	Consultant for the Diploma programs in computing (Dec. Ref. 24/37/1/ق Date: 28/1/1437 H)	The Chamber of Commerce & Industry of the Northern Border Province, Saudi Arabia http://ncci.org.sa
Jan 2016- Jan 2021	Consultant for the Diploma programs in computing (Dec. Ref. 79/37/1/ق Date: 7/4/1437 H)	Al-Gurayat Chamber of Commerce & Industry, Al-Gurayat governorate, Saudi Arabia http://www.gcci.org.sa

IV. Professional Activities

a. Conference Organization

Role	Event	Date/Place
Member of the Registration Committee	Economics of The GCC ⁵ Member States Conference	13-15 February 2001, King Faisal University, Al-Ahsa, Saudi Arabia
TPC ⁶ Member	The 2 nd Int'l Workshop on the Future of Internet of Things (FOIOT 2015) held with the 10 th Int'l Conf. on Future Networks and Communications https://sites.google.com/site/workshoponfutureofinternet/Home	August 17-20, 2015, Belfort, France
	The 3 rd Int'l Workshop on the Future of Internet of Things (FOIOT 2016) held with the 11 th Int'l Conf. on Future Networks and Communications https://sites.google.com/site/3rdFITworkshop/organizing-committee	August 15-18, 2016, Montreal, Quebec, Canada
	The 4 th Int'l Workshop on the Future of Internet of Things (FIT 2018) held with the 15 th Int'l Conf. on Mobile Systems and Pervasive Computing https://easychair.org/cfp/FIT2018	Gran Canaria, Spain, August 15, 2018

³ The project for the future plan for higher education in Saudi Arabia: http://aafaq.kfupm.edu.sa/default_en.asp

⁴ Communication and Information Technology Commission <http://www.citc.gov.sa/en/Pages/default.aspx>

⁵ Gulf Countries Council

⁶ Technical Program Committee

Member of The Scientific Committee	The Student Scientific Forum at NBU (Dec. Ref. 472000073 Date: 10/2/1447 H)	2025-2025
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b. Committee Membership

Date	Committee Name/Role (Decision No. & Date)	Level	Place
Sep 2000 – Sep 2006	Courses registration/ Member Alumni students/ Member	College	College of Management Sciences, King Faisal University
Sep 2015 – July 2017	RFPs evaluation for the 'Datacenter expansion –Phase 2' project/ Member (Dec. Ref. 262/36/1/٤ Date: 1/12/1436 H)	University	
Oct 2016 – June 2017	Technical Committee at IT Deanship/ Head		
Feb 26, 2016	RFPs reviewing for the 'Required servers of the Scientific Research Deanship in the datacenter' project/ Member (Dec. Ref. 155/37/1/٤ Date: 16/5/1437 H)		Northern Border University
Nov 17, 2015 – July 1, 2017	Performing a technical study for the 'Maintenance, upgrading, and operation of Banner System' project/ Rapporteur (Dec. Ref. 103/37/4/٤ Date: 4/2/1437 H)		
May 2017 – July 2017	Performing a technical study for a project (Full electronic transformation for the university) (Dec. Ref. 30/38/2/٤ Date: 26/8/1438 H)		
Nov 2017 – Oct 2018	Laboratories/ Member (Dec. Ref. 84/14/٤ Date: 19/2/1439 H)	College	Faculty of Science, Northern Border University
Dec 2018 – Oct 2020	Permanent Committee for Academic Promotions/ Rapporteur (Dec. Ref. 108/40/1/٤ Date: 3/4/1440 H)	University	Northern Border University
Jan 2020 – Aug 2022	Graduate Studies and Scientific Research/Member	Dept.	Computer Science Dept., Faculty of Science, Northern Border University
Jan 2020 – Nov 2025	Curricula Development/Member (Comp. Sci. BS Program)		
Sep 2020 – Dec 2020	Consultant Permanent Committee of IT Deanship/ Member (Dec. Ref. 422000054 Date: 13/1/1442 H)	University	Northern Border University
Oct 2020 – June 2024	Scientific Council/ Member (Dec. Ref. 422000275 Date: 27/2/1442 H) First Reformulation (Dec. Ref. 442000286 Date: 8/3/1444 H)		
Nov 2020 – Nov 2023	Permanent Committee for Academic Promotions/ Member (Dec. Ref. 108/40/1/٤ Date: 3/4/1440 H) First Reformulation (Dec. Ref. 422000360 Date: 18/3/1442 H) Second Reformulation (Dec. Ref. 422001253 Date: 26/12/1442 H)		

	Third Reformulation (Dec. Ref. 442000380 Date: 15/4/1444 H)		
Dec 2020- Mar 2021	A Committee to review and evaluate the executive regulations of the academic promotion (Dec. Ref. 421014376 Date: 30/4/1442 H)		
Aug 2021 – Aug 2023	Unit of Graduate Studies & Scientific Research/ Head	College	Faculty of Science, Northern Border University
2021 – 2022	Graduation Projects	Dept.	
Oct 2021 – June 2023	A Committee to automate the academic promotion (Implementation of Initiative 1-4-1-5 form the University Strategic Plan 2020-2025) / Member	University	
Oct 2021 – Dec 2021	A secondary committee to improve the quality of research in humanitarian & social studies / Member		Northern Border University
Dec 2021 – June 2023	Re-Formation of the committee to create graduate programs (Implementation of Initiative 4-2-2-1 form the University Strategic Plan 2020-2025) / Member		
18 Jan 2022 – 17 Jan 2023 15/6/1443 H	Graduate Studies Committee / Member	College	Faculty of Science, Northern Border University
Apr 2022- May 2022	A Committee to study the low turnout of students to the Master's program in Physics / Member	University	
Apr 2022 – June 2023	A Joint committee to establish joint post-graduate programs between Faculty of Science and Faculty of Computing & IT at NBU / Member		Northern Border University
May 2022 – June 2022	A Committee for reviewing the portfolio of a Business scholarship student / Member (Dec. Ref. None Date: 28/10/1443 H) by the Dean of Business Administration	College	Faculty of Business Administration, Northern Border University
Sep 2022 – Oct 2022	A committee to create new academic programs in Computer Science (BS and Diploma) / Member	College	
Oct 2022- June 2023	Advisory committee / Member	College	
Feb 2023 – June 2023	A committee to develop the Computer Science Program / Member	College	Faculty of Science, Northern Border University
Oct 2023 - Dec 2023	A committee to review the executive regulations of the academic promotion / Member (Dec. Ref. 451012046 Date: 9/4/1445 H)	University	
June 2022- May 2023	Media and public relations / Head	Dept.	
Jan 2023	A team to develop the 'Software Engineering Track' in the new curriculum / Head	Dept.	
Sep 2023 – Nov 2025	Unit of Graduate Studies & Scientific Research/ Member (Dec. Ref. 451007687 Date 6/3/1445 H) (Renewal: Dec. Ref. 461006130 Date 25/2/1446 H)	College	Northern Border University
Dec 2023 – Mar 2024	A committee to address Recommendation 5 and 26 of the NCAAA (Report of the Review Panel) / Member	Dept.	
Jan 2024 – Nov 2025	Graduate Studies Committee / Head	Dept.	

c. Paper Reviewing

I have been working as a reviewer for high-quality journal including the following:

Journal name	Indexing	Publisher
Information and Software Technology	WoS	Elsevier
Arabian Journal of Science and Engineering	WoS	Springer
Journal of Software: Evolution and Process	WoS	Wiley
IEEE Access	WoS	IEEE
International Journal of Software Engineering and Knowledge Engineering	WoS	World Scientific
Information Technology and People	WoS	Emerald
IET Software	WoS	IET
Informatics for Health and Social Care	WoS	Taylor & Francis
Big Data and Cognitive Computing, Electronics, Sustainability, Journal of Cybersecurity and Privacy, Applied Sciences, Sensors	WoS	MDPI
Computer Systems Science and Engineering	WoS	Tech Science Press
Editorial Board (Info. Eng. And Applied Computing)		

Note: My record of reviews is maintained by Web of Science; available from

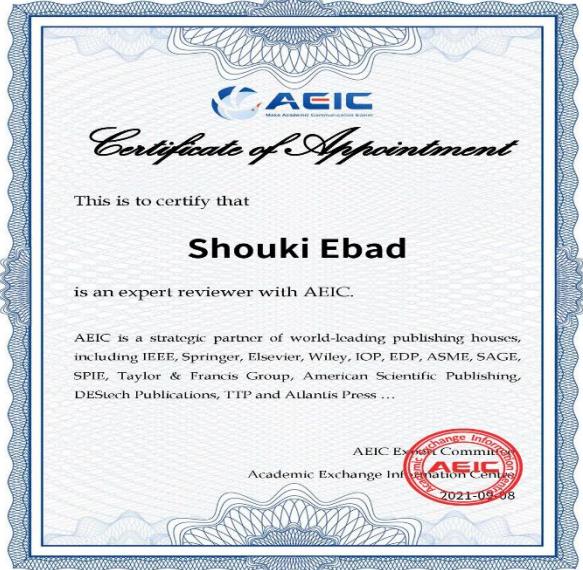
<https://www.webofscience.com/wos/author/record/18439>

d. Supervision

Role	Journal	Duration
Development manager	BSc program of Information Systems @ Faculty of Computing and IT @ Northern Border University	2014-2015
Field Supervisor, Ph.D. Thesis	Student name: Alanazi, Sultan Tuwayrish School: National Advanced IPv6 Centre, Univirsiti Sains Malaysia Topic of research: The Assessment of the Infrastructure Readiness for the Anti-Cybercrime Wave in the Kingdom of Saudi Arabia (Dec. Ref. P-NVD0002/18(R) Date: 14/5/2019)	May 2019 – Sep 2022

V. Certificates

Title	Date	By	Verification/evidence
Sun/Oracle Certified Programmer for the Java 2 Platform 1.4	Mar 2006	Sun Microsystems /Oracle	  <p>Shouki Abdullah Ahmed HAS FULFILLED ALL REQUIREMENTS AS A SUN CERTIFIED PROGRAMMER FOR THE JAVA™ 2 PLATFORM 1.4 On March 6, 2006</p> <p><i>[Signature]</i> Scott McNealy, President, Chairman, and CEO of Sun Microsystems, Inc. Kevin Coyne, Vice President, Sun Educational Services</p>

Introduction to Cybersecurity	Dec 2020	Cisco Networking Academy	https://www.credly.com/badges/935d4afc-4a44-4b80-8572-207c9737e4fa?source=linked_in_profile
An Expert Reviewer	Sep 2021	Academic Exchange Information Center (AEIC), China	 <p>The image shows a digital certificate from AEIC (Academic Exchange Information Center). The certificate is titled 'Certificate of Appointment' and is issued to 'Shouki Ebad'. It states that Shouki Ebad is an expert reviewer with AEIC. The certificate includes a detailed description of AEIC's strategic partners, which include IEEE, Springer, Elsevier, Wiley, IOP, EDP, ASME, SAGE, SPIE, Taylor & Francis Group, American Scientific Publishing, DEStech Publications, TTP and Atlantis Press. A red circular seal is at the bottom right, containing the AEIC logo and the text 'AEIC Expert Commitee' and '2021-08-08'.</p>
Blended Learning (in Arabic)	Oct 2021	Edraak ⁷	<p>Certificate ID: 5ebfa1eb3e3946e3a08eb796ed9dd5e5</p> <p>Verify this certificate's authenticity at https://courses.edraak.org/certificates/5ebfa1eb3e3946e3a08eb796ed9dd5e5</p>
Introduction to IoT	Nov 2021	Cisco Networking Academy	https://www.credly.com/go/c02tYGT4LYOglY3zTmPNyg
PCEP™ – Certified Entry-Level Python Programmer	Oct 2023	Python Institute (OpenEDG)	<p>Certificate code: cLjT.KfRg.XiK0</p> <p>Verify this certificate's authenticity at https://verify.openedg.org/</p>

VI. Invited Talks

Title	Type	Date	Organizer	Place
Using advanced IT to increase performance	Class of the MGT501 course (Principles of Management)	Jan 2010	College of Industrial Management, Dept. of Management & Marketing	King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia
The Arabic language at the social media era (in Arabic). Available at: https://www.youtube.com/watch?v=NhRBJhRxQXg	Public	Sep 13, 2017	The Northern Border Literary Cultural Club	Arar, Saudi Arabia

⁷ Edraak, is a massive open online course (MOOC) platform, that is an initiative of the Queen Rania Foundation (<https://www.edraak.org/en/>)

How does IT improve the administrative work?	NBU Employees	Sep 5, 2018	Deanship of Academic Development	Northern Border University, Arar, Saudi Arabia	
How to prepare the scientific promotion portfolio (Part: University and community service)	NBU Faculty	Dec 7, 2021			
How to prepare the scientific promotion portfolio (Part: Publications)	NBU Faculty	Mar 8, 2022			
How to prepare the scientific promotion portfolio (Part: Publications)	Faculty of Science	Mar 20, 2023	Unit of Graduate Studies & Scientific Research/ Head, Faculty of Science		
Guidelines of Academics on Publishing in Scopus and Clarivate-Indexed Journals		Dec 13, 2023			

VII. Short courses (workshop, exhibition, symposium, seminars, etc.)

Title	Type	Date	Organizer	Place
Commercial fraud: its dimensions and effects	Symposium	19/12/2005	College of Management Sciences & Planning ⁸	King Faisal University Al-Ahsa, Saudi Arabia
Skills to get rid of family problems	Training	19/3/2009	Al-Khobar Youth Forum 3, Co-operative Office for Call & Guidance	Al-Khobar, Saudi Arabia
Developing research abilities: idea formulation and research management	Training	11/11/2012	King Abdulaziz City for Science & Technology	
How to use electronic resources: EBSCO, AskZad, and IGI Global	Training	17/9/2013	Saudi Digital Library (SDL) Naseej- Arabian Advanced Systems Co. Ltd.	Northern Border University, Saudi Arabia
Institutional Preparation for Initial Self Evaluation	Workshop	3/12/2013	Deanship of Quality and Accreditation	
Springer Database	Workshop	Mar 8-12, 2015	Springer and SDL	
CeBIT 2015	Attendance	Mar 16-20, 2015	N/A	Hannover, Germany
Cisco Live 2015		June 7-11, 2015		San Diego, CA, USA
BlueCoat Security Day		Mar 1, 2016		Riyadh, Saudi Arabia
GiTex 2016		Oct 16-20, 2016		Dubai, UAE
Computer Network Essentials	Training -Online	Nov 23. 2020	Deanship of Academic Development	Northern Border University, Saudi Arabia
How to Publish Open Access with IEEE to Increase the Exposure and Impact of Your Research	Webinar	Sep 29, 2021	IEEE www.ieee.org	Online
Cybersecurity Tricks	Webinar	Mar 30, 2024	College of Engineering, Effat University	Online
Research Ethics and Integrity (in Arabic)	Micro-Credential University Program	July 31, 2025	Saudi Electronic University	MOOC

⁸ The current name of the college is College of Business

VIII. Teaching: I taught the following courses

Course Title	Date	Place
<ul style="list-style-type: none"> - Introduction to Computer - C Programming Language - Algorithms and Problem Solving - Management Information Systems - Office Automation Systems - Java Programming Language - Selected Topics in Computing - Fundamentals of Programming and Data Structure - Senior Projects (BSc Level) 	Sep 2000 – Aug 2006	College of Computer Sciences & IT, King Faisal University, Al-Ahsa, Saudi Arabia
<ul style="list-style-type: none"> - ICS 103 - Computer programming in C (Lab) - ICS 102 - Introduction to Computing I (Lab) 	Sep 2007 – Sep 2011	College of Computer Science & Engineering, King Fahd Univ. of Petroleum & Minerals, Dhahran, Saudi Arabia
- CPIT 475 Network Administration (Girls' section)	1 st term 2012/2013 (1433/1434 H)	Faculty of Computing & IT, Northern Border University, Rafha, Saudi Arabia
- CPIT 498 Graduation Project I	2 nd term 2012/2013 (1433/1434 H)	
- CPIT 252 Software Design Patterns	Summer term 2012/2013 (1433/1434 H)	
- CPIS 357 Software Quality & Testing	1 st term 2013/2014 (1434/1435 H)	
- CPIS 352 IS Applications Design & Development	2 nd term 2013/2014 (1434/1435 H)	
- CPIS 434 IS Strategies & Policies		
- CPIT 280 Human-Computer Interaction	Summer term 2013/2014 (1434/1435 H)	
- CPIT 395 Advanced Programming		
- CS 491 (Graduation Project) ندوة بحث Title: e-Voting system for students	2 nd term 2014/2015 (1435/1436 H)	Computer Science Dept. Faculty of Science, Northern Border University, Arar, Saudi Arabia
- CS 491 (Graduation Project) ندوة بحث Title: management for the Quran circles	1 st term 2015/2016 (1436/1437 H)	
- CS 491 (Graduation Project) ندوة بحث Title: academic advising to help students in the early registration	2 nd term 2015/2016 (1436/1437 H)	
- CS 456 Computer Program Design	1 st term 2016/2017 (1437/1438 H)	
- EE 202 Object Oriented Programming	2 nd term 2016/2017 (1437/1438 H)	Electrical Engineering Dept., Faculty of Engineering, Northern Border University, Arar, Saudi Arabia

- CS 314 Analysis & Design of Algorithms	1 st term	
- CS 462 Computer Systems Programming	2017/2018 (1438/1439 H)	
- CS 314 Analysis & Design of Algorithms	2 nd term	
- CS 443 Software Engineering	2017/2018	
- CS 456 Computer Program Design	(1438/1439H)	
- CS 314 Analysis & Design of Algorithms	1 st term	
- CS 443 Software Engineering	2018/2019	
- CS 456 Computer Program Design	(1439/1440 H)	
- CS 211 Introduction to Computing (Lab)		
- CS 443 Software Engineering	2 nd term	
	2018/2019	
	(1439/1440 H)	
- CS 443 Software Engineering	1 st term	
	2019/2020	
	(1440/1441 H)	
- CS 443 Software Engineering	2 nd term	
	2019/2020	
	(1440/1441 H)	
- CS 443 Software Engineering	1 st term	
- CS 492 Graduation Project	2020/2021	
	(1441/1442 H)	
- CS 314 Analysis & Design of Algorithms	2 nd term	
- CS 492 Graduation Project	2020/2021	
	(1441/1442 H)	
- CS 443 Software Engineering	1 st term	
- CS 314 Analysis & Design of Algorithms	2021/2022	
	(1442/1443 H)	
- CS 443 Software Engineering	2 nd term	
	2021/2022	
	(1442/1443 H)	
- CS 443 Software Engineering	1 st term	
	2022/2023	
	(1443/1444 H)	
- CS 443 Software Engineering	2 nd term	
	2022/2023	
	(1443/1444 H)	
- CS 443 Software Engineering	3 rd term	
- CS 492 Graduation Project	2022/2023	
	(1443/1444 H)	
- CS 443 Software Engineering	1 st term	
- CS 492 Graduation Project	2023/2024	
	(1444/1445 H)	
- CS 443 Software Engineering	2 nd term	
	2023/2024	
	(1444/1445 H)	
- CS 443 Software Engineering	3 rd term	
- CS 492 Graduation Project	2023/2024	
	(1444/1445 H)	

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Arabia

- CS 488 Human-Computer Interaction	1 st term 2024/2025 (1445/1446 H)	
- CS 492 Graduation Project		
- CS 443 Software Engineering	2 nd term 2024/2025 (1445/1446 H)	
- MCY 617 AI for Cybersecurity (Master level)		
- CS 350 Software Engineering	1 st term 2025/2026 (1446/1447 H)	
- MCY 604 Software Security Assurance (Master level)		

IX. Publications

a. Journal

1. Marwa Amara, Olfa Benrihem, Radhia Zhagdoud, **Shouki A. Ebad**, Abdelmalek Zidouri, “Feature extraction of handwritten digit recognition using stacked convolutional neural network ensemble”, Journal of Control Engineering and Applied Informatics, Vol.27, No. 4, pp.16-28, 2025
2. **Shouki A. Ebad**, Amal Alshardan, Mohammed Abaker, M. Senthilkumar, Amal M. Nouri, N. Krishnaraj, A. Rajaram, “3D printed plasmonic nanostructures for real-time Nano-optical biosensing applications”, Plasmonics (2025). <https://doi.org/10.1007/s11468-025-03325-5>
3. Majdoubi, J., Alsudais, T.A., Almogren, A.S., Bedewi, W., Eltahir, M.M., Alshahrani, M., **Ebad, S.A.**, Ghaleb, M., “Self-attention bidirectional long Short-Term memory assisted natural language processing on sarcasm detection and classification in social media platforms”, Scientific Reports (2025), <https://doi.org/10.1038/s41598-025-31093-z>
4. Alamro, H., Alghamdi, A.M., Alshuhail, A. Ebad, S.A., Ghaleb, M., Alkhiri, H., Mahgoub, H., Alamri, M.Z., “Mitigating distributed denial of service attacks using attribute subset selection with temporal convolutional networks”, Scientific Reports (2025). <https://doi.org/10.1038/s41598-025-30137-8>
5. Amal K. Alkhalfa, Mashael M. Asiri, Reham Al-Dayil, Ahmed Alsayat, Mashail N. Alkhomsan, Mohammed A. AlAqil, **Shouki A. Ebad**, Mohammed Mujib Alshahrani, “A secure architecture for intelligent internet of vehicle systems using advanced dimensionality reduction with deep ensemble models, Engineering Applications of Artificial Intelligence, Volume 162, Part D, 2025.
6. Mimouna Abdullah Alkhonaini, Sara Abdelwahab Ghorashi, Ghalib H Alshammri, Saied Alshahrani, **Shouki A Ebad**, Sami Saad Albouq, Fahad Alzahrani, Menwa Alshammeri, “Advances in IoT Networks Using Privacy-Preserving Techniques with Optimized Multi-Head Self Attention Model for Intelligent threat detection based on plant rhizome growth optimization”, Scientific Reports, 15, 34233, 2025.
7. Asaad Ahmed, Guangmin Sun, Mohamed Saadeldin, Anas Bilal, Yu Li, Musa Osman, **Shouki A Ebad**, “Efficient Melanoma Detection Using Pixel Intensity-Based Masking and Intensity-Weighted Binary Cross-Entropy”, International Journal of Imaging Systems and Technology, 35 (5), 2025.
8. Aws I. AbuEid, Mohammed Ahmed Elhossiny, Marwa Anwar Ibrahim Elghazawy, Abdelnasser Saber Mohamed, Achraf Ben Miled, Firas M. Allan, **Shouki A. Ebad**, José Escoria-Gutierrez,

“Generative AI in neuroscience imaging: a review”, International Journal of Advanced and Applied Sciences, 12(8), August 2025, Pages: 255-272

9. Narmeen Fatima, Samia Nawaz Yousafzai, Nadhem Nemri, Hadeel Alsolai, **Shouki A Ebad**, Shaymaa Sorour, Yeonghyeon Gu, Muhammad Syafrudin, Norma Latif Fitriyani, “Time series AQI forecasting using Kalman-integrated Bi-GRU and Chi-square divergence optimization”, Scientific Reports, 15, 29157 (2025).
10. **S. A. Ebad**, R. Zaghdoud, and A. Ben Miled, “Metrics and quality attributes of AI-based software as a medical device”, Engineering, Technology, and Applied Science Research, 15(4) pp. 24644–24651, Aug. 2025.
11. Yousafzai SN, Al-Wesabi FN, Alsolai H, **Ebad SA**, Nasir IM, Fadhal E, Thaljaoui A., “Advanced clustering and transfer learning based approach for rice leaf disease segmentation and classification”, PeerJ Computer Science, 2025, 11:e3018
12. Amer Mahdi F.Al Khulayf, Mohammad Alamgeer, Marwa Obayya, Mohammed Alqahtani, **Shouki A. Ebad**, Nojood O. Aljehane, Faisal Mohammed Nafie, “Mathematical fusion of efficient transfer learning with fine-tuning model for laryngeal cancer detection and classification in the throat region using biomedical images”, Alexandria Engineering Journal, Volume 129, pages 658-671, 2025.
13. Hayam Alamro, Fahd N. Al-Wesabi, Sultan Alahmari, Jawhara Aljabri, **Shouki A. Ebad**, Asma Alshuhail, Fouad Shoie Alallah, Abdulrhman Alshareef, Mahir Mohammed Sharif, “Feature enhancement model with up sampling based cyber threat attack detection and classification on imbalanced dataset in Industrial Internet of Things”, Alexandria Engineering Journal, Volume 128, 2025, pages 247-258
14. Ahmed, A., Sun, G., Bilal, A. **Ebad S. A.**, “Precision and efficiency in skin cancer segmentation through a dual encoder deep learning model”, Scientific Reports 15, 4815, 2025.
15. Muhammad Swaileh A. Alzaidi, Taghreed Ali Alsudais, Majdy M. Eltahir, **Shouki A. Ebad**, Asma Alshuhail, Mohammed Alshahrani, Sultan Alanazi, “Applied intelligence with deep learning assisted automated sarcasm recognition in twitter data”, Alexandria Engineering Journal, Volume 128, 2025, pages 79-91
16. N. Krishnaraj, Mohammad Alamgeer, **Shouki A. Ebad**, Haya Mesfer Alshahrani, Saraswathi, A. Sumaiya Begum, J. Jayanthi, “Evaluating oil spill contamination around Qaruh Island, Kuwait: Insights from EOS-04 C-band SAR data”, Regional Studies in Marine Science, Volume 89, 2025, 104288,
17. Al Mazroa A, Eltahir MM, **Ebad SA**, Alotaibi FA, K V, Cho J., “EEG-based schizophrenia diagnosis using deep learning with multi-scale and adaptive feature selection”, PeerJ Computer Science 11:e2811, 2025.
18. Abdullah Alohal M, Alqahtani H, **Ebad SA**, Alotaibi FA, K. V, Cho J. “Optimized deep learning approach for lung cancer detection using flying fox optimization and bidirectional generative adversarial networks”, PeerJ Computer Science 11:e2853, 2025.

19. A. Ahmed, G. Sun, A. Bilal, Y. Li, **S. A. Ebad**, “A hybrid deep learning approach for skin lesion segmentation with dual encoders and channel-wise attention”, IEEE Access, 13, pp. 42608-42621, 2025
20. **Ebad, S. A.**, Alqazzaz, A., Marzouk, R., Venkatesan, V., Nemri, N., Rajanandhini, V. M., Vivek, S., Rajaram, A., “Deep learning based automatic crack detection for concrete structures using piezoelectric smart aggregates”, Mechanics of Advanced Materials and Structures, 1–11, 2025 <https://doi.org/10.1080/15376494.2025.2477230>
21. M. Ahmed, W.U. Khan, F.N. Al-Wesabi, **S.A. Ebad**, H.M. Alshahrani, A.K. Dutta, B.M. ElHalawany, X. Li, “Efficient resource management for NOMA-enabled UAV communications in 6G IRS-assisted vehicular networks”, IEEE Transactions on Intelligent Transportation Systems, 2025 <https://doi.org/10.1109/TITS.2025.3549224>
22. Ahmed, M., Khan, W.U., Alamgeer, M. Alabdkreem, E., **Ebad, S.A.**, Al-Sharafi, A.M., Dutta, A.K., Khurshaid, T., “Joint optimization for 6G beyond diagonal IRS-assisted multi-carrier NOMA vehicle-to-infrastructure communication”, The Journal of Supercomputing, 81, 720, 2025.
23. **Ebad SA**, Alhashmi A, Amara M, Miled AB, Saqib M., “Artificial intelligence-based software as a medical device (AI-SaMD): a systematic review”, Healthcare (Basel). 13(7):817, 2025.
24. Kumar, S.P., Nagendranath, M.V.S.S., Alsamri, J., **Ebad, S.A.**, “Enhanced deep learning-based optimization model for the coverage optimization in wireless sensor networks”, International Journal of Computational Intelligence Systems, 18, 83, 2025.
25. Muhammad Swaileh A. Alzaidi, Alya Alshammari, Abdulkhaleq QA Hassan, **Shouki A. Ebad**, Hanan Al Sultan, Mohammed A. Alliheedi, Ali Abdulaziz Aljubailan, Khadija Abdullah Alzahrani, “Enhanced automated text categorization via Aquila optimizer with deep learning for Arabic news articles”, Ain Shams Engineering Journal, 16(1), 2025.
26. Badriyya B. Al-Onazi, Majdy M. Eltahir, Muhammad Swaileh A. Alzaidi, **Shouki A. Ebad**, Shoayee Dlaim Alotaibi, and Ahmed Sayed, “Automating meter classification of Arabic poems: a Harris Hawks optimization with deep learning perspective”, Fractals, 33(02), 2025, pages 1-15.
27. Sultan Refa Alotaibi, Hend Khalid Alkahtani, Mohammed Aljebreen, Asma Alshuhail, Muhammad Kashif Saeed, **Shouki A. Ebad**, Wafa Sulaiman Almukadi, Moneerah Alotaibi, "Explainable artificial intelligence in web phishing classification on secure IoT with cloud-based cyber-physical systems", Alexandria Engineering Journal, Volume 110, 2025, Pages 490-505.
28. Darem, A. A., Alkhaldi, T. M., Alahmari, M., Alhashmi, A. A., Alashjaee, A. M., Alanazi, S. M., and **Ebad, S. A.**, “Beyond technical barriers: a multidimensional conceptual framework for understanding and countering cyber scam susceptibility”, International Journal of Human–Computer Interaction, 41(14), pages 8858-8883, 2025. <https://doi.org/10.1080/10447318.2024.2415750>
29. Sarah A. Alzakari, Nuha Alruwais, Shaymaa Sorour, **Shouki A Ebad**, Asma Abbas Hassan Elnour, Ahmed Sayed, “A big data analysis algorithm for massive sensor medical images”, PeerJ Computer Science, 2024, 10:e2464

30. **Shouki A. Ebad**, Wala bin Subait, Nadhem Nemri, Wafa Sulaiman Almukadi, Nasser Aljohani, Ayman Yafoz, Raed Alsini, and Mesfer Al Duhayyim, “Integrating fractal snow ablation optimizer with Bayesian machine learning for aspect-level sentiment analysis on social media”, *Fractals* (2024) 2540025.
31. Mimouna Abdullah Alkhonaini, Hanan Abdullah Mengash, Nadhem Nermi, **Shouki A. Ebad**, Faiz Abdullah Alotaibi, Jawhara Aljabri, Yazeed Alzahrani, and Mrim M. Alnfiai, “From pixels to predictions: role of boosted deep learning enabled object detection for autonomous vehicles on large scale consumer electronics environment”, *Fractals* (2024) 2540047.
32. Amal K. Alkhaila, Muhammad Kashif Saeed, Kamal M. Othman, **Shouki A. Ebad**, Mohammed Alonazi, Abdullah Mohamed, “Prairie dog optimization algorithm with deep learning assisted based aerial image classification on UAV imagery”, *Heliyon*, 10 (18), e37446, 2024.
33. Aziz Nanthamornphong, Arun Kumar, Mashael Maashi, Mohammed Maray, **Shouki A. Ebad**, Haya Mesfer Alshahrani, Assal Alqudah, and Sanjeev Sharma, “Fractal peak power analysis on NOMA waveforms using the PTS method for different sub-carriers: applications in 5G and beyond”, *Fractals*, 32 (9), 2024, 2540017.
34. Bayan Alabduallah; Nuha Alruwais; Nazir Ahmad; **Shouki A. Ebad**; Ashit Kumar Dutta; Asma Alshuhail; Samah Al Zanin, “Exploiting feature fusion with deep learning based next-generation consumer products detection on video surveillance monitoring systems,” *IEEE Transactions on Consumer Electronics*, 70(4), 2024.
35. Sana Alazwari, Mashael Maashi, Jamal Alsamri, Mohammad Alamgeer, **Shouki A. Ebad**, Saud S. Alotaibi, Marwa Obayya, and Samah Al Zanin, “Improving laryngeal cancer detection using chaotic metaheuristics integration with squeeze-and-excitation resnet model”, *Health Information Science and Systems*, 12, 38, 2024
36. **Shouki A. Ebad** and Abdulbasit A. Darem, “Exploring Android obfuscators and deobfuscators: an empirical investigation”, *Electronics* 2024, 13 (12), 2272
37. Abdulbasit A. Darem, Asma A. Alhashmi, Tareq M. Alkhaldi, Abdullah M. Alashjaee, Sultan M. Alanazi, and **Shouki A. Ebad**, “Cyber threats classifications and countermeasures in banking and financial sector,” *IEEE Access*, vol. 11, pp. 125138 – 125158, 2023 [WoS indexing]
38. Asma A. Alhashmi, Abdulbasit A. Darem, Sultan M. Alanazi, Abdullah M. Alashjaee, Bader Aldughayfiq, Fuad A. Ghaleb, **Shouki A. Ebad**, and Majed A. Alanazi, “Hybrid malware variant detection model with extreme gradient boosting and artificial neural network classifiers,” *Computers, Materials, & Continue*, 2023, 76(3), pp. 3483-3498 [WoS indexing]
39. **Shouki A. Ebad**, “Quantifying IoT security parameters: an assessment framework,” *IEEE Access*, vol. 11, pp. 101087-101097, 2023 [WoS indexing]
40. Asma A. Alhashmi, Abdulbasit A. Darem, Abdullah M. Alashjaee, Sultan M. Alanazi, Tareq M. Alkhaldi, **Shouki A. Ebad**, Fuad A. Ghaleb, and Aloyoun M. Almadani, “Similarity-based hybrid malware detection model using API calls”, *Mathematics*, 2023, 11, 2944 [WoS indexed]
41. **Shouki A. Ebad**, “Investigating the input validation vulnerabilities in C programs”, *International Journal of Advanced Computer Science and Applications (IJACSA)*, 14(1), 2023 [WoS indexed]

42. **Shouki A. Ebad**, "Exploring how to apply secure software design principles," IEEE Access, vol. 10, pp. 128983-128993, 2022 [WoS indexing].
43. **Shouki A. Ebad**, "What topics should or should not be included in software security education- qualitative content analysis," Computer Applications in Engineering Education, 30(6), pp. 1753-1773, Jul. 2022 [WoS indexing]
44. Asma A. Al-Hashmi, Fuad A. Ghaleb, A. Al-Marghilani, Abdulsamad E. Yahya, **Shouki A. Ebad**, Muhammad Saqib M.S., Abdulbasit A. Darem, "Deep-ensemble and multifaceted behavioral malware variant detection model", IEEE Access, vol. 10, pp. 42762- 42777, 2022 [WoS indexing]
45. **Shouki A. Ebad**, "Lessons learned from offline assessment of security-critical systems: the case of microsoft's active directory", International Journal of System Assurance Engineering and Management, 13, 535-545 (2022) [WoS indexing]
46. **Shouki A. Ebad**, A. A. Darem and J. H. Abawajy, "Measuring software obfuscation quality- a systematic literature review," IEEE Access, vol. 9, pp. 99024-99038, 2021 [WoS indexing]
47. **Shouki A. Ebad**, "Security assessment of large-scale IT infrastructure", The Scientific Journal of King Faisal University: Basic and Applied Sciences, 22(1), June, 2021, [Scopus indexing]
48. Sultan T. Alanazi, Mohammed Anbar, **Shouki A. Ebad**, Shankar Karuppayah and Hadeer A. Al-Ani, "Theory-based model and prediction analysis of information security compliance behavior in the Saudi healthcare sector", Symmetry, 2020, 12(9), 1544 [WoS indexing]
49. **Shouki A. Ebad** "Healthcare software design and implementation—A project failure case", Journal of Software: Practice and Experience, 50(7), 1258-1276 (July 2020) [WoS indexing]
50. Abdullah A. Alyousef and **Shouki A. Ebad** "Adherence to the Arabic rules of grammar on twitter: case study in the sector of Saudi institutions", King Khalid University Journal for Humanities, 28(2), 43-63, (Dec 2019) (in Arabic)
51. **Shouki A. Ebad** and Moataz Ahmed "Investigating the effect of software packaging on modular structure stability", Computer Systems Science & Engineering, 34(5) (Sep, 2019) [WoS indexing]
52. **Shouki A. Ebad** and Moataz Ahmed "A comparison of functionality-based packaging using GA and adaptive KNN clustering as two approaches to package software", International Journal of Advanced Trends in Computer Science and Engineering, 8(1.4), 428-433, (2019) [Scopus indexing]
53. **Shouki A. Ebad** "An exploratory study of ICT projects failure in emerging markets", Journal of Global Information Technology Management, 21(2), 139-160, (2018) [WoS indexing]
54. **Shouki A. Ebad** "The Influencing causes of software unavailability—a case study from industry", Journal of Software: Practice and Experience, 48(5), 1056-1076 (May 2018) [WoS indexing]
55. **Shouki A. Ebad** "Regulatory rules for security requirements of financial information systems: attempt to formalize", European Journal of Security Research, 2(2), 97-117, (Nov, 2017) [Springer]

56. **Shouki A. Ebad** “Inspection reading techniques applied to software artifacts – a systematic review”, Computer Systems Science & Engineering, 32(3) (May, 2017) [WoS indexing]

57. **Shouki A. Ebad** “Towards measuring software requirements volatility: a retrospective analysis”, Malaysian Journal of Computer Science, Vol. 30(2), 99-116 (2017) [WoS indexing]

58. **Shouki A. Ebad** and Danish Manzoor “An empirical comparison of Java and C# programs in following naming conventions”, International Journal of People-Oriented Programming, 5(1), 39-60 (2016) [IGI PUBLISHER]

59. **Shouki A. Ebad**, “Influencing factors for IT software project failures in developing countries— a critical literature survey”, Journal of Software, 11(11), 1145-1153 (2016) [Scopus indexing]

60. **Shouki A. Ebad** and Moataz A. Ahmed, “Review and evaluation of cohesion and coupling metrics at package and subsystem level”, Journal of Software, 11(6), 598-605 (2016) [Scopus indexing]

61. **Shouki A. Ebad**, Emad S. Jaha, and Mohammed Al-Qadhi, “Analyzing privacy requirements: a case study of healthcare in Saudi Arabia”, Informatics for Health and Social Care, 41(1), 47-63 (2016) [WoS indexing]

62. **Shouki A. Ebad** and Moataz A. Ahmed, “Measuring stability of object-oriented software architectures”, IET Software, 9 (3): 76-82 (2015) [WoS indexing]

63. **Shouki A. Ebad** and Moataz A. Ahmed, “Functionality-based software packaging using sequence diagrams”, Software Quality Journal, 23 (3): 453-481 (2015) [WoS indexing]

64. **Shouki A. Ebad** “A comparative study of query-set size and fixed-data perturbation as two techniques to secure statistical databases”, International Journal of Computer Applications, 68 (4): 7-10 (2013) [EBSCO and ProQuest indexing]

65. **Shouki A. Ebad** and Moataz A. Ahmed, “XMI2UC: An automatic tool to extract use cases from object-oriented source code”, International Journal of Future Computer and Communication (IJFCC), 1(2): 193-195 (2012) [IET Inspect and CrossRef indexing]

b. Conference

66. **Shouki A. Ebad**, “An exploratory study of why UMLsec is not adopted”. In Proceedings of the 8th International Conference on Information Systems Security and Privacy (ICISSP 2022), February 9 - 11, 2022, pages 357-364, Sponsored by INSTICC - Institute for Systems and Technologies of Information, Control and Communication, Portugal [WoS]

67. **Shouki A. Ebad**, “The support of Islamic sites on the internet to the living languages”, Conf. of Arabic Content on the Internet, Imam Mohammad ibn Saud Islamic University, Riyadh, Saudi Arabia, Oct 2011 (in Arabic)

68. **Shouki A. Ebad** and Moataz Ahmed, “An evaluation framework for package-level cohesion metrics”, The 2nd Int'l Conf. on Future Information Technology. Singapore, IPCSIT Press Vol. 13, 326-330, Sep 16-18, 2011

69. **Shouki A. Ebad** and Moataz Ahmed, “Software packaging approaches – a comparison framework”, The 5th European Conf. on Software Architecture, Lecture Notes in Computer Science 6903, 438-446, Essen, Germany, Sep 13-16, 2011 [WoS]

70. **Shouki A. Ebad**, "An empirical comparison of open source Java and C++ programs in following coding standards", Int'l Conf. on Information and Communication Systems (ICICS 2009), Amman, Jordan, Dec 2009

71. **Shouki A. Ebad**, "The size of research centers in Australian universities and Saudi universities: a descriptive study", The 2nd Conf. on Planning & Development of Education & Scientific Research in the Arab States, King Fahd University of Petroleum & Minerals, Saudi Arabia, Feb 2008 (in Arabic)

72. **Shouki A. Ebad**, "The Islamic sites on the Internet: advantages and disadvantages", The 17th National Computer Conf. (NCC 17), Al-Madinah, Saudi Arabia, Apr 2004 (in Arabic). Available from: https://www.kau.edu.sa/Files/320/Researches/35157_23.pdf

c. Magazines

"Solving of IF-statement Problem in MS-Excel", PC-Magazine (Arabic Ed.), Aug 2002 -

طرق لخدمة الإسلام عبر الإنترت، شوقي عباد، مجلة الأسرة، العدد 112، سبتمبر 2002 ، -

اللغة العربية وموقع التواصل الاجتماعي: الفروض والتحديات" ، البيان (مجلة اسلامية شهرية جامعية)، العدد 375، أغسطس 2018، -

<https://www.albayan.co.uk/MGZarticle2.aspx?id=6308> -

استثمار أمثل للتقنية في أعمال المؤسسات الدعوية" ، البيان (مجلة اسلامية شهرية جامعية)، العدد 391، نوفمبر 2019 ، -

<https://www.albayan.co.uk/MGZarticle2.aspx?id=8858> -

جامعات حضرموت .. إلى أين؟" ، شوقي عبد الله عباد، حضرموت الثقافية، العدد 26، ديسمبر 2022، -

<https://hadramout.center/articles/5025> -

نحو إعادة هيكلة القطاع غير الربحي في اليمن، مأرب برس، سبتمبر 2024 ، -

<https://www.marebpress.net/writers.php?lng=arabic&id=4149> -