

Short C.V

General information:

- Name: Sana Abdel Aziz Mohamed Bkheet.
- Gender: Female.
- Nationality: Sudanese.
- Date and place of birth: 15/06/1983 – Kassala state _Sudan.
- General specialization: Computer Science.
- Current residence: Arar _ Kingdom of Saudi Arabia.
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Qualifications:

- PHD in computer science, from Sudan University of Science and Technology (SUST). 2024.
- M.Sc. in computer science, from University of Science and Technology. February 2011.
- B.Sc.in computer science, from Sudan University College for Girls.2004.

Training Courses and Workshops:

- A training course entitled “Academic Counselling” offered by the Deanship of University Education at Northern Borders University.
- A training course entitled “Designing Electronic Courses” offered by the Deanship of E-Learning and Distance Education at Northern Borders University in cooperation with Interconnected Solutions Company.
- A training course entitled “Using the Blackboard e-learning system” offered by the Deanship of E-Learning and Distance Education at Northern Borders University.
- A training course entitled “Quality and Institutional Accreditation” offered by the Quality Committee of the Department of Computer Science, College of Science, Northern Borders University

Work experience:

- Since October 2011 till now, working as a lecturer with Northern Border University in Arar _ Saudi Arabia.
- Teaching assistance at the University of Science and Technology, 2008_2009, Khartoum.
- June 2006 to 2008, working as a computer specialist in Kassala state ministry of health.
- During my contract period at Northern Borders University, I worked on the following committees:
 - More than five years of experience in preparing and organizing courses and lecture schedules as a member of the Student Affairs Committee at the Department of Computer Science - Faculty of Science.
 - More than two years as a member of the Statistics Committee of the Department of Computer Science, Faculty of Science.
 - Two years as a member of the Public Relations and Media Committee of the Department of Computer Science at the Faculty of Science.
 - Three years as a member of the Community Service Committee of the Department of Computer Science at the College of Science.
 - More than two years as a member of the Student Affairs and Equivalencies Committee for the Department of Computer Science at the Faculty of Science.

- Two years as a member of the Student Affairs Committee at the Department of Computer Science - College of Science.
- Five years as a member of the laboratories and e-learning committee at the Department of Computer Science - College of Science.

Fields of Interest:

- AI and Machine learning.
- Cloud computing (including cloud computing security, Cloud database, cloud ethics).
- Internet of Things and Wireless Sensor Networks (WSN).

Publications:

Article title	Journal
1. A review paper: “A Review of Identity methods of Internet of Things (IOT)”	Advances in Internet of Things (AIT). (2021)
2. A research paper: “IOT objects Identification Model using Deep-Neural Network (DNN)”	AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES (AJBAS).(2023)
3. A research paper: “Prediction of Myocardial Infarction Complications using Gradient Boosting”	Engineering, Technology & Applied Science Research (2024)
4. A research paper:”Advanced Deep Learning Approach for Smart Home Appliance Identification Using Recurrent Neural Networks with LSTM”	IoT, MDPI (2024)

Courses I taught and years of experience

Course title	Teaching experience
1. Artificial intelligence (AI).	A minimum of eight years of teaching experience.
2. Operating Systems (OS).	Over seven years of teaching experience.
3. Data Structures.	More than five years of teaching experience
4. Theory of Automata.	A minimum of five years of teaching experience.
5. Object Oriented Programming (OOP).	One year of teaching experience.
6. Data Mining.	Over six years of teaching experience.
7. Introduction to Programming.	A minimum of four years of teaching experience.
8. Design and analysis of algorithms.	Five years of teaching experience.
9. Application Programming.	Two years of teaching experience.
10. Simulation and Modeling.	Three years of teaching experience.
11. Digital logic design.	Three years of teaching experience.
12. Compiler design.	Three years of teaching experience.
13. Computer Architecture.	One year of teaching experience.
14. Computer Skills.	Over five years of teaching experience.
15. Computer Graphics.	Three years of teaching experience.
16. System programming.	Over four years of teaching experience.
17. Web programming	Three years of teaching experience.
18. Digital System Design	One year of teaching experience.
19. Programming languages (C, C++, Java, HTML, and Python)	High experience in teaching programming languages.

Last update: June 2025 by:

Sana Abdel Aziz Mohamed Bkheet