

السيرة الذاتية

معلومات عامة

- الاسم: سامي عزيز الشمري
- الجنسية: سعودي
- البريد الإلكتروني: Sami.Alshammari@nbu.edu.sa
- الهاتف المحمول: 0568766639

المؤهلات العلمية

الدرجة العلمية	التخصص	الجامعة / المؤسسة التعليمية	السنة
دكتوراة	Telecommunication and Computer Networking	University of Missouri-Kansas City	2023
ماجستير	Computer Science	University of Missouri-Kansas City	2018
بكالوريوس	Information Technologies	Northern Border University	2013

الخبرات الأكاديمية

المرتبة	الجامعة / المؤسسة	المنصب	المدة
أستاذ مساعد	NBU	عضو هيئة تدريس في قسم تقنية المعلومات	Present-2024
محاضر	NBU	عضو هيئة تدريس في قسم تقنية المعلومات	2019-2024
معيد	NBU	عضو هيئة تدريس في قسم تقنية المعلومات	2014-2019
Graduate Assistant	University of Missouri-Kansas City	Graduate Assistant	2019-2020

خبرة غير أكاديمية

- Quality Assurance Testing
- خبرة غير أكاديمية – بنك الخليج الدولي Gulf International Bank
- Team Leader
- Participating and observing User Acceptance Testing Phases
- As well as Managing one of Alkhobar Branches
- 2013-2014 Full Time

مؤتمرات علمية تم حضورها / المشاركة فيها

- Blockchain & Cryptocurrency Conference 2018
- IEEE Smart Cities Conference ISC2 2019 (Volunteer)
- IEEE Smart Cities Conference ISC2 2020 (Speaker-Participated in 2 papers)

Optimizing City's Service Routes for Road Repairs.
2020 IEEE International Smart Cities Conference (ISC2) (Published)
<https://ieeexplore.ieee.org/document/9239021>

Characterizing Road Conditions Via Smart Mobile Crowd Sourcing.
2020 IEEE International Smart Cities Conference (ISC2) (Published)
<https://ieeexplore.ieee.org/abstract/document/9239020>

- IEEE Smart Cities Conference ISC2 2022 (Speaker)

3Pod: Federated Learning-based 3 Dimensional Pothole Detection for Smart Transportation.

المنشورات العلمية

- HiCARE: Hierarchical Clustering Algorithm for Road Service Routing Enhancement
- Federated Learning-Based 3D Pothole Detection, Evaluation, and Routing for Smart Transportation
- Advanced Convolutional Neural Network and Long Short-Term Memory Model for Real-Time Spam Detection in Internet of Things Devices
- Enhancing Healthcare Monitoring: A Deep Learning Approach to Human Activity Recognition using Wearable Sensors
- Intelligent IoT-Based Network Clustering and Camera Distribution Algorithm Using Reinforcement Learning
- Q_YOLOv5m: A Quantization-based Approach for Accelerating Object Detection on Embedded Platforms
- A Three-Level Agent-Based Framework For Resource Allocation Optimization In Flexible Manufacturing Systems
- .TLDViT: A Vision Transformer Model for Tomato Leaf Disease Classification
- The Rising Tide of Social Engineering: Trends, Impacts, and Multi-Layered Mitigation Strategies
- KTCGM: Towards A Novel Solution for Enhancing Kerberos-5 with Threshold Cryptography and ML-Based Anomaly Detection
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الاهتمامات البحثية

- انترنت الاشياء
- المدن الذكية وتطبيقاتها
- تحليل البيانات والبيانات الضخمة
- الأمن السيبراني وتحسين أداء وكفاءة شبكات الحاسب
- الذكاء الاصطناعي وتطبيقاتها في التعرف على العناصر وتصنيفها، والعلوم الطبية، واللغوية، والزراعية.

Curriculum Vitae (CV)

General Information

- **Name:** Sami Aziz Alshammari
- **Nationality:** Saudi
- **Emails:** Sami.Alshammari@nbu.edu.sa
- **Mobile:** 0568766639

Academic Qualifications

Degree	Specialty	Institution	Year
Ph.D.	Telecommunication and Computer Networking	University of Missouri-Kansas City	2023
M.Sc.	Computer Science	University of Missouri-Kansas City	2018
B.Sc.	Information Technologies	Northern Border University	2013

Academic Experience

Rank	Institution	Title	Duration
Assistant Professor	NBU	Faculty member	2024-Present
Lecturer	NBU	Instructor	2019-2024
Teaching Assistant	NBU	Teaching Assistant	2014-2019
Graduate Assistant	University of Missouri-Kansas City	Graduate Assistant	2019-2020

Non-academic Experience

- Quality Assurance Testing
Gulf International Bank ‘
Team Leader
Participating and observing User Acceptance Testing Phases #1 & #2
As well as managing one of Alkhobar Branches
2013-2014 Full Time

Conferences Attended / Participated

- Blockchain & Cryptocurrency Conference 2018
- IEEE Smart Cities Conference ISC2 2019 (Volunteer)
- IEEE Smart Cities Conference ISC2 2020 (Speaker-Participated in 2 papers)

Optimizing City's Service Routes for Road Repairs.
2020 IEEE International Smart Cities Conference (ISC2) (Published)
<https://ieeexplore.ieee.org/document/9239021>

Characterizing Road Conditions Via Smart Mobile Crowd Sourcing.
2020 IEEE International Smart Cities Conference (ISC2) (Published)
<https://ieeexplore.ieee.org/abstract/document/9239020>

- IEEE Smart Cities Conference ISC2 2022 (Speaker)

3Pod: Federated Learning-based 3 Dimensional Pothole Detection for Smart Transportation.

2022 IEEE International Smart Cities Conference (ISC2) (Published)

<https://ieeexplore.ieee.org/document/9922195>

// list the most important conferences attended / participated

Taught Courses

- Fundamentals of Database
- Fundamentals of Multimedia and Applications
- Multimedia Productions and Concepts
- Foundations of Data Networks

Publications

- *HiCARE: Hierarchical Clustering Algorithm for Road Service Routing Enhancement*
- *Federated Learning-Based 3D Pothole Detection, Evaluation, and Routing for Smart Transportation*
- *Advanced Convolutional Neural Network and Long Short-Term Memory Model for Real-Time Spam Detection in Internet of Things Devices*
- *Enhancing Healthcare Monitoring: A Deep Learning Approach to Human Activity Recognition using Wearable Sensors*
- *Intelligent IoT-Based Network Clustering and Camera Distribution Algorithm Using Reinforcement Learning*
- *Q_YOLOv5m: A Quantization-based Approach for Accelerating Object Detection on Embedded Platforms*
- *A Three-Level Agent-Based Framework For Resource Allocation Optimization In Flexible Manufacturing Systems*
- *TLDViT: A Vision Transformer Model for Tomato Leaf Disease Classification.*
- *The Rising Tide of Social Engineering: Trends, Impacts, and Multi-Layered Mitigation Strategies*
- *KTCGM: Towards A Novel Solution for Enhancing Kerberos-5 with Threshold Cryptography and ML-Based Anomaly Detection*