MOHAMMED TAWFIK

جامعة عجلون الوطنية
Ajloun National University

Irbid, Yarmouk street

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+962790325698

https://orcid.org/0000-0002-1227-387X

PROFILE

AI and cybersecurity specialist with proven expertise in deep learning, IoT security, and blockchain technology. Strong track record in implementing secure systems, developing AI solutions, and leading research projects. Skilled in academic consultation and technical communication. Self-motivated innovator combining theoretical knowledge with practical implementation.

Personal Data

Date of birth: October 16th, 1991.
Nationality: Yemeni

EDUCATION

◆ **PH.D** - Computer science and IT .
(India,BAMU University), (2024).

◆ **Master** - Master of Information Technology
(India,BAMU University) (2018).

◆ **Bachelor** - Bachelor Degree in Networks and Information Security
(Yemen,Sana'a University) (2014).

WORK EXPERIENCE

● Research Supervisor (2021 - 2024) BAMU University, Aurangabad, India
Supervised 5 graduate students in IoT security, SDN, and speech recognition research
● IT Help Desk & Network Specialist (2019 - 2021) LiveSalesman, Remote
Managed IT support, network maintenance, and security protocols
● IT Support & Network Administrator (2014 - 2016) DIMES Institute
Administered network infrastructure, security systems, and technical support
● Independent Consultant (2022 - Present) Remote
Led security, blockchain development, smart contract auditing, and security assessments
● Provided academic consultation for Masters/PhD students in AI and security research

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SKILLS

- Research Leadership
- Technical Problem-solver
- Innovation-driven
- Ability to work under pressure
- Strong team collaboration
- Project management

Languages

Arabic
English.
Hindi

CONFERENCES AND WORKSHOPS

- Workshop on Blockchain Technology and Applications (2020)
- Research Methodology Workshop (2017)
- Workshop on Android Application Development and Cashless Transactions
- Online Workshop on Large Language Models (LLMs) and Their Applications (2024)
- International Conference on Recent Advances in Computer Science, Engineering and Technology (2017)
- IEEE Bombay Section: Skills and Knowledge Enhancement Program (SKEP) Session
- 2nd International Conference on Cognitive Knowledge Engineering (OCKE 2016)
- International Conference on Global Strategies for Challenges in Business Management and Impact of FDI in Economic Development

Peer Review Contributions

Total Papers Reviewed: 142
Serving as a reviewer for high-impact journals in computer science, artificial intelligence, and interdisciplinary research:

1. IEEE Access (122 reviews): Areas reviewed: IoT, Blockchain, AI/ML, Cybersecurity, Smart Systems, Computer Vision, LLMs, Biomedical Engineering, Healthcare Technologies
2. Expert Systems with Applications Elsevier (10 reviews): Areas reviewed: Advanced AI models,EEG ,Explainable AI systems, Healthcare applications, Medical diagnosis systems
3. PLOS ONE WOS& Scopus (2 reviews): Areas reviewed: EEG, Speech Recognition
4. Knowledge-Based Systems ELSEVIER (4 reviews):Focus on AI-driven knowledge systems and intelligent data analysis
5. Journal of Information Technology and Computing (3 reviews): Emphasis on cutting-edge IT applications and computational methods
6. Journal of Applied Artificial Intelligence (1 review): Contribution to practical AI implementations in various domains

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CONTINUED PROFESSIONAL ACTIVITIES

1. A Framework for Epileptic Seizure Monitoring Based on IoT and Machine Learning Technologies (2024). DOI: 10.1109/INOCON60754.2024.10512226

2. An Optimized Blockchain Model for Secure and Efficient Data Management in Internet of Things (2024). DOI: 10.1109/ICITEICS61368.2024.10624817

3. Optimized intrusion detection in IoT and fog computing using ensemble learning and advanced feature selection (2024). DOI: 10.1371/journal.pone.0304082

4. Advancing Arabic Hate Speech Detection via Neural Transfer Learning with BERT (2023). DOI: 10.1109/SMARTGENCON60755.2023.10441885

5. COVID-19 Detection and Remote Tracking System Using IoT-Based Wearable Bracelet (2023). DOI: 10.1007/978-981-19-2358-6_29

6. Enhancing Epileptic Seizure Detection Through Advanced Artificial Intelligence Analysis of EEG Signals (2023). DOI: 10.1109/SMARTGENCON60755.2023.10442095

7. Toward Accurate and Flexible Arabic Speech Recognition: A Comprehensive Framework (2023). DOI: 10.1109/GCITC60406.2023.10426210

8. A Facilitation System for Arabic Foreigners in India Using the Web and Android System (2022). DOI: 10.1109/ICACCS54159.2022.9785022

9. Asthma Detection System: Machine and Deep Learning-Based Techniques (2022). DOI: 10.1007/978-981-19-1653-3_16

10. Classification of Epileptic Seizure Using Machine Learning and Deep Learning Based on Electroencephalography (EEG) (2022). DOI: 10.1007/978-981-19-2130-8_15

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CONTINUED PROFESSIONAL ACTIVITIES

11. Comparison of Machine Learning Algorithms and Neural Network for Breast Cancer Prediction (2022). DOI: 10.1007/978-981-19-1653-3_17

12. Multi-features Extraction for Automating Covid-19 Detection from Cough Sound using Deep Neural Networks (2022). DOI: 10.1109/ICSSIT53264.2022.9716529

13. Real-Time Detection of Student Engagement: Deep Learning-Based System (2022). DOI: 10.1007/978-981-16-2594-7_26

14. Web Application Based on Deep Learning for Detecting COVID-19 Using Chest X-Ray Images (2022). DOI: 10.1007/978-3-030-99457-0_18

15. Internet of Things-Based Middleware Against Cyber-Attacks on Smart Homes using Software-Defined Networking and Deep Learning (2021). DOI: 10.1109/ICCMST54943.2021.00014

16. Overview of Biometric Traits (2021). DOI: 10.1109/ICIRCA51532.2021.9545069

17. Smart System for Real-Time Remote Patient Monitoring Based on Internet of Things (2021). DOI: 10.1109/ICCMST54943.2021.00013

18. A Review: The Risks and weakness Security on the IoT (2020). DOI: 10.2139/ssrn.3558835
Under Review/Accepted:

19. Adoption of AI Writing Tools among Academic Researchers: A Theory of Reasoned Action Approach (Accepted: PLOS ONE, PONE-D-24-17396)

20. Using machine learning algorithms to identify learning related features from electroencephalography during second language acquisition (Under review: SN Computer Science)

21. A Fusion Model with Explainable XAI for Advanced Infant Cry Classification: Combining Spectral and Temporal Data Representations with State-of-the-Art Feature Selection and Explainable XAI (Under review: Expert Systems, 2024)

22. Privacy Fortress: An Advanced Cryptographic Architecture for Secure Cloud Storage with Zero-Knowledge Proofs and Blockchain Verification (Under review: PLOS ONE)

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TEACHING EXPERIENCE

- Advanced Artificial Intelligence
- Security & Networks
- Network Security Fundamentals
- Cybersecurity & Ethical Hacking
- Software-Defined Networking
- Internet of Things
- Blockchain Development
- Healthcare AI
- Large Language Models (LLMs)