Javaid Ahmad Malik

Membership_SANS Institute of Cybersecurity, USA

Ph.D. Computer Science

PROFILE

To Excel in the field of Computer Science using my optimal potential, academic background, and my research slog to prevail over all challenges stemming in the practical field. As a researcher my prime objective is to classify the problems in the digital world and to provide a solution for these identified problems, using our current artificial intelligence tools and technology by empowering the systems with human-like proficiencies and capabilities.

CONTACT

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Date of Birth

15 April 1990

Marital Status

Unmarried

M.Phil. Computer Science

National College of Business Administration and Economics, Lahore (Main Campus)

WORK EXPERIENCE

- ❖ **Visiting Lecturer BZU (Current)**
- ❖ **Visiting Lecturer MNS-UAM (Current)**
- ❖ **National College of Business Administration and Economics, Lahore (Main Campus)**
  Lecturer
- ❖ **National College of Business Administration and Economics, Lahore (Multan Campus)**
  Lecturer
- ❖ **Govt. Civil Line Post Graduate College, Lahore (Punjab University Lahore)** Lecturer

Thesis, Research Articles

6 Years' Experience
MPhil and Ph.D.
Computer Science
(Thesis, Article)

RESEARCH INTEREST

- ❖ Integrating Intelligent System design with IoT-enabled Framework
- ❖ Deep Learning
- ❖ Extreme Machine Learning
- ❖ Cloud Computing and Emerging technologies
- ❖ Quantum Intelligence and Quantum Neural network
- ❖ Intelligent System Design
- ❖ Block-Chain
- ❖ Explainable AI

MEMBERSHIP OF PROFESSIONAL BODIES

- ❖ Advances in Science, Technology and Engineering Systems Journal, USA
- ❖ International Journal of Circular Economy and Waste Management
- ❖ International workshop on computational intelligence and cyber security emergent networks (CICEN'21) November 1-4, 2021, Leuven, Belgium
- ❖ Journal of Engineering Research and Science International Workshop on Intelligence System for Sustainable Smart Cities (I3SC 22) New Delhi, India
- ❖ International Conference on Trend and Innovation in Smart Technologies (ICTIST), king College London. UK
- ❖ International Conference on Computing and Communication Network (ICCCN 2022), Manchester Metropolitan University London. UK
- ❖ The 3rd International Conference on Electrical, Computer and Energy Technologies, Cape Town, South Africa on 16-17 November 2023.
- ❖ 4th International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME) Male, MALDIVES 04-06 November 2024
- ❖ The 4th International Conference of Advanced Computing and Informatics, 16-17 December. 2024, STEAM house, BIRMINGHAM CITY UNIVERSITY, UK

CERTIFIED TRAINING

- ❖ Peer Review training from Springer Nature
- ❖ Teaching training from DSD (Directorate of Staff Devolvement) Lahore, Govt. of Pakistan
- ❖ Teaching training from British Council, Lahore Under the constitution of The United Kingdom's international organization for cultural relations and educational opportunities. (Incorporated in the UK)

TOOLS AND TECHNOLOGIES

- ❖ Data Analyst (Python)
- ❖ Power BI

REFERENCES

- ❖ Dr. Muhammad Adnan Khan, Gachon University, Seongnam-si, South Korea.
- ❖ Dr. Ali Kashif Bashir, Manchester Metropolitan University, United Kingdom.
- ❖ Dr. Sagheer Abbas, Prince Mohammad Bin Fahd University, Saudi Arabia

EXTRA-ACTIVITIES

Reviewer Elsevier Journal listed below:

- ❖ Ad Hoc Networks
- ❖ International Journal of Electronics and Communication
- ❖ Block-Chain: Research and Application
- ❖ Computer Communication
- ❖ Computer Science Review
- ❖ Internet of Things
- ❖ Journal of King Saud University - Computer and Information Sciences

Book Chapters

1. Malik, J. A. and M. Saleem (2022). Blockchain and Cyber-Physical System for Security Engineering in the Smart Industry. Security Engineering for Embedded and Cyber-Physical Systems, CRC press: 51-70.
2. Malik, J. A., Hussain, A., Shah, H., & Saleem, M. Optimizing Agricultural Risk Management with Hybrid Block-Chain and Fog Computing Architectures for Secure and Efficient Data Handling. Computational Intelligence in Internet of Agricultural Things, 309.
3. Qadri, S., Malik, J. A., Shah, H., & Raza, M. A. Innovating with Quantum Computing Approaches in Block-Chain for Enhanced Security and Data Privacy in Agricultural IoT Systems. Computational Intelligence in Internet of Agricultural Things, 339.
4. Malik, J. A., Saleem, M., Almutairi, S., & Chaudhary, U. M. D. Implementing Fog Computing in Precision Agriculture for Real-Time Soil Health Monitoring and Data Management. Computational Intelligence in Internet of Agricultural Things, 371.

EXPERTISE:

- ❖ Project Management (Short Courses) Brentwood Open Learning College, UK
- ❖ Human Resource Management (Short Courses) Brentwood Open Learning College, UK
- ❖ Business Management (Short Courses) Brentwood Open Learning College, UK
- ❖ Understanding Management and Leadership (Short Courses) Brentwood Open Learning College, UK
- ❖ Developing a Risk Management Framework (Short Courses) Brentwood Open Learning College, UK

RESEARCH CONTRIBUTION

1. Abualkishik, A., et al. (2023). Genetic Algorithm Based Adaptive FSO Communication Link. 2023 International Conference on Business Analytics for Technology and Security (ICBATS), IEEE.

2. Khan, W. A., et al. (2022). Predicting Distributed Network Malicious Data Packets in Smart City using Deep Learning. 2022 International Conference on Business Analytics for Technology and Security (ICBATS), IEEE.

3. Malik, J. A. (2023). "Smart Energy Management System Of Using Machine Learning." International Journal of Computational and Innovative Sciences **2**(2): 34-41.

4. Malik, J. A., et al. (2023). "Blockchain-Based Healthcare Model To Predict Heart Disease Using A Machine Learning Techniques." International Journal of Advanced Sciences and Computing **2**(1): 21-26.

5. Malik, J. A., et al. (2023). "Empowering Cloud Security System With Blockchain Technology." International Journal of Advanced Sciences and Computing **2**(1): 1-6.

6. Malik, J. A., et al. (2023). "Role Of Machine Learning Approaches In Epidemic Disease Prediction." International Journal of Computational and Innovative Sciences **2**(2): 1-8.

7. Rehman, A. U., et al. (2022). Fuzzy System For Covid-19 Disease Detection. 2022 International Conference on Business Analytics for Technology and Security (ICBATS), IEEE.

8. Salahat, M., et al. (2023). Analysis of Query Processing on Different Databases. 2023 International Conference on Business Analytics for Technology and Security (ICBATS), IEEE.

9. Saleem, M., et al. (2019). <u>Intelligent FSO link for communication in natural disasters empowered with fuzzy inference system</u>. 2019 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), IEEE.

10. Malik, J. A. (2024). Next-Generation Protection: Leveraging Federated Learning and Blockchain for Intrusion Detection in Smart Vehicle Network. Power System Technology, 48(1), 931-952.

11. Siddiqui, M. N., Malik, J. A., Rehman, M. A. U., Khan, M. Y., Shahid, S., & Saleem, M. (2024). Block-Chain Enhanced IoT Integration for Transparency and Efficiency in Smart Agriculture and Food Supply Chain Systems. Journal of Computing & Biomedical Informatics.

12. Shah, M. J., Saleem, M., Akhter, M., Wajid, M., & Malik, J. A. (2024). Deep Learning and Time Series Analysis for Internet of Things Device Predictive Maintenance. Journal of Computing & Biomedical Informatics.

13. Shah, M. J., Saleem, M., Akhter, M., Wajid, M., Malik, J. A., & Shehzad, M. (2024). Application-Specific Investigative Paradigm, Issues, and Prospective Solutions Addressed in IoT Forensics. Journal of Computing & Biomedical Informatics.

14. Ahmad, G., Saleem, M., Malik, J. A., Bukhari, W. A., Kashif, M. I., Salahuddin, H., ... & Rehman, A. U. (2024). Mobile Application for Skin Disease Classification Using CNN with User Privacy. Journal of Computing & Biomedical Informatics.

15. Saleem, M., Shah, M. J., Wajid, M., Akhter, M., & Malik, J. A. (2024). A Comprehensive Study of AI and IoT's Impact on Smart Tourism Destinations. Journal of Computing & Biomedical Informatics.

16. Malik, J. A., Raza, H., & Ahmad, A. (2023). Blockchain-Based Healthcare Model To Predict Heart Disease Using A Machine Learning Techniques. International Journal of Advanced Sciences and Computing, 2(1), 21-26.

17. Malik, J. A., Zonain, M., & Saleem, K. (2023). Role Of Machine Learning Approaches In Epidemic Disease Prediction. International Journal of Computational and Innovative Sciences, 2(2), 1-8.

18. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=MTmmJLQAAAAJ&authuser=3&citation_for_view=MTmmJLQAAAAJ:zYLM7Y9cAGgC

19. Rehman, A. U., Haroon, H. M., Malik, J. A., Saeed, A., Ali, A., & Ateeq, K. (2022, February). Fuzzy System For Covid-19 Disease Detection. In 2022 International Conference on Business Analytics for Technology and Security (ICBATS) (pp. 1-8). IEEE.

20. Khan, W. A., Saleem, K., Faiz, T., Malik, J. A., Khan, M. S., & Sadaf, Z. (2022, February). Predicting Distributed Network Malicious Data Packets in Smart City using Deep Learning. In 2022 International Conference on Business Analytics for Technology and Security (ICBATS) (pp. 1-8). IEEE.