

ABDUL KARIM KAZI

Assistant Professor

✉ karimkazi@neduet.edu.pk

🌐 www.linkedin.com/in/abdulkarimkazi

Education

Doctor of Philosophy (Ph.D.)

2017 – 2022

NED University of Engineering and Technology

Research Title: *Enhancing Packet Delivery in Intelligent Transportation System (ITS)*

Secured 3.70 CGPA

Master of Computer Science and Information Technology (M.C.I.T.)

2011 – 2013

NED University of Engineering and Technology

Secured 3.66 CGPA

Master of Computer Science (M.C.S.)

2005 – 2006

NED University of Engineering and Technology

Secured 3.66 CGPA

Bachelor of Computer Science (B.C.S.)

2003 – 2006

NED University of Engineering and Technology

Secured 3.15 CGPA

Higher Secondary School (H.S.C)

2000 – 2002

Govt. National College

Pre-Engineering (1st Division)

Secondary School (S.S.C)

1998 – 2000

Ali Ali School

Computer Science (1st Division)

Professional Experience

Assistant Professor

Oct 2022 - Present

Department of Computer Science & IT, NED University of Engineering and Technology

- Focal person and Instructor of NED Huawei ICT Academy.
- Class Advisor.
- Supervising FYDP projects and MS Theses.
- Examiner of MS Theses.
- Member of Departmental Examination Review Committee (ERC), Self-Assessment Report (SAR) committee.
- ICONICS Conference Editor Publication (Chair).

Lecturer
Nov 2018 - Oct 2022

Department of Computer Science & IT, NED University of Engineering and Technology

IT Manager
Feb 2011 - Nov 2018

Department of Information Technology, NED University of Engineering and Technology

Courses Taught

UNDERGRADUATE LEVEL

- Programming Fundamentals
- Data Structure Algorithms & Applications
- Theory of Automata and Formal Languages
- Compiler Design
- Programming Languages
- Fundamentals of Information Technology
- Computer Communication Networks

POSTGRADUATE LEVEL

- Advanced Theory of Automata
-

Research Journal Publications

- [1] A. K. Kazi, M. U. Farooq, R. Asif, and S. Hina, "Adaptive Context-Aware VANET Routing Protocol for Intelligent Transportation Systems," *Network*, vol. 5, no. 4, 2025, doi: 10.3390/network5040047.
- [2] A. A. Memon, S. Hina, A. K. Kazi, and S. Ahmed, "Parts-of-speech tagger for Sindhi language using deep neural network architecture," *Mehran Univ. Res. J. Eng. Technol.*, vol. 43, no. 3, pp. 47–55, Jul. 2024, doi: 10.22581/muet1982.2768.
- [3] A. K. Kazi, Maria Andleeb Siddiqui, M. A. Zaki, and A. S. Khan, "Fuzzy Logic and Neural network-based self-tuned PID controller of Quadcopter," *Pak. J. Eng. Technol. Sci.*, vol. 12, no. 1, pp. 49–63, Jul. 2024, doi: 10.22555/pjets.v12i1.1085.
- [4] H. Rana, M. U. Farooq, A. K. Kazi, M. A. Baig, and M. A. Akhtar, "Prediction of Agricultural Commodity Prices using Big Data Framework," *Eng. Technol. Amp Appl. Sci. Res.*, vol. 14, no. 1, pp. 12652–12658, Feb. 2024, doi: 10.48084/etasr.6468.
- [5] A. K. Kazi, M. Andleeb, S. Ahmed, R. Asif, and others, "Predictive Healthcare Analysis of Pakistan's COVID-19 Pandemic Using Data Mining and Time Series Modelling," *Pak. J. Eng. Technol. Sci.*, vol. 11, no. 1, pp. 74–84, 2023, doi: 10.22555/pjets.v11i1.1029.
- [6] A. Qaiser, S. Hina, A. K. Kazi, R. Asif, and S. Ahmed, "Fake News Encoder Classifier (FNEC) for Online Published News Related to COVID-19 Vaccines," *Intell. Autom. Soft Comput.*, vol. 37, no. 1, pp. 73–90, 2023, doi: 10.32604/iasc.2023.036784.
- [7] A. K. Kazi, M. U. Farooq, Z. Fatima, S. Hina, and H. Abid, "Analysis of LinkedIn Jobs for Finding High Demand Job Trends Using Text Processing Techniques," *Int. J. Comput. Sci. Netw. Secur. IJCSNS*, vol. 22, no. 10, pp. 223–229, 2022, doi: 10.22937/IJCSNS.2022.22.10.29.
- [8] A. K. Kazi, S. M. Khan, Waseemullah, U. Farooq, and S. Hina, "Compacted Area with Effective Links (CAEL) for Data Dissemination in VANETs," *Sensors*, vol. 22, no. 9, 2022, doi: 10.3390/s22093448.
- [9] M. U. Farooq, A. K. Kazi, M. Latif, S. Alauddin, K.-Z. Kisa-e-Zehra, and M. A. Baig, "Intelligent Character Recognition System for Account Payable by using SVM and RBF Kernel," *Int. J. Comput. Sci. Netw. Secur. IJCSNS*, vol. 22, no. 11, pp. 213–221, 2022, doi: 10.22937/IJCSNS.2022.22.11.31.
- [10] Kisaiezehra, M. U. Farooq, M. A. Bhutto, and A. K. Kazi, "Real-Time Safety Helmet Detection Using Yolov5 at Construction Sites," *Intell. Autom. Soft Comput.*, vol. 36, no. 1, pp. 911–927, 2023, doi: 10.32604/iasc.2023.031359.

- [11] W. Waseemullah, A. K. Kazi, M. F. Hyder, and F. A. Basit, "Animated Game-Based Learning of Data Structures In Professional Education," Int. J. Comput. Sci. Netw. Secur. IJCSNS, vol. 22, no. 9, pp. 1–6, 2022, doi: 10.22937/ijcsns.2022.22.9.1.
- [12] A. K. Kazi, W. Waseemullah, M. A. Baig, and S. Khan, "Breast Cancer Prediction Using Data Mining Classification Techniques," Int. J. Comput. Sci. Netw. Secur. IJCSNS, vol. 22, no. 9, pp. 696–704, 2022, doi: 10.22937/IJCSNS.2022.22.9.91.
- [13] A. K. Kazi and S. M. Khan, "DyTE: An Effective Routing Protocol for VANET in Urban Scenarios," Eng. Technol. Appl. Sci. Res., vol. 11, no. 2, pp. 6979–6985, Apr. 2021, doi: 10.48084/etasr.4076.
- [14] A. K. Kazi, S. M. Khan, and N. G. Haider, "Reliable Group of Vehicles (RGoV) in VANET," IEEE Access, vol. 9, pp. 111407–111416, 2021, doi: 10.1109/ACCESS.2021.3102216.
- [15] A. K. Kazi and S. M. Khan, "Working of various routing protocols in Vehicular Ad-hoc Network: A Survey," Univ. Sindh J. Inf. Commun. Technol., vol. 4, no. 4, pp. 278–286, Dec. 2020.

Research Grants / Rewards

- Won Research grant from **Ministry of Science and Technology (MoST)** in the year 2018.
- Won FYDP funding from **NED Alumni Association of Southern Carolina (NEDAASC)** in the year 2022.
- Won Financial rewards from **NED University** for publishing various papers.

Peer-Reviewer for Journals

- IEEE Access
- The Journal of Supercomputing
- Intelligent Automation & Soft Computing
- Computer Systems Science and Engineering
- Promet – Traffic & Transportation
- Engineering, Technology & Applied Science Research
- Journal on Artificial Intelligence
- Journal on Big Data
- Pakistan Journal of Engineering, Technology and Sciences
- Journal of Cybersecurity
- Peer-to-Peer Networking and Applications
- Wireless Personal Communications

Additional Information

Certifications:

- CCNA** – Cisco Certified Network Associate
- MCP** – Microsoft Certified Professional
- MCTS** – Microsoft Certified Technology Specialist
- MCSE** – Microsoft Certified Systems Expert (Windows Server Infrastructure)
- HCIA (Datacom)** – Huawei Certified ICT Associate
- HCIP (Datacom)** – Huawei Certified ICT Professional

Achievements:

- 3rd Position Holder in MCS.
- As a Huawei ICT trainer, I have successfully mentored students, leading them to achieve certification in Huawei technologies (100+ students certified).
- Achieved ***Excellent Instructor Award*** from **Huawei** in the year 2024.

Trainings:

- Attended QEC training on Effective PhD Supervision from 7th to 14th October, 2024. (Offered by NED University of Engineering and Technology).
- Attended QEC training on Faculty Development Program from November to December, 2018. (Offered by NED University of Engineering and Technology).
- Attended HEC Indigenous on Campus Training on Computer and Network Security held from 2nd to 4th March 2016. (Offered by NED University of Engineering and Technology).