

WAQAS AHMAD

PAKISTAN ENGINEERING COUNCIL REGISTERED ENGINEER CERTIFIED ACADEMIC & ADMINISTRATIVE PROFESSIONAL

Hometown: Gujrat, Pakistan

Relocation: Willing to relocate

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Google Scholar: scholar.google.com/citations?user=TpDCcLwAAAAJ&hl=en



PROFILE SUMMARY

Dynamic and versatile professional with a robust background in both academic and non-academic sectors. Equipped with a solid foundation in computer science engineering, and electrical engineering complemented by extensive hands-on experience in administration, IT management, examination management, and hybrid teaching. Demonstrated ability to excel in diverse environments leveraging academic and non-academic expertise to achieve tangible results.

SKILLS / COMPETENCIES

- IT Management
- Exam Management
- Administration / Coordination / Collaboration
- Team Player
- Quality Focused / Result Oriented
- Data Analysis / Data Privacy
- Research / Overleaf
- Problem Solving / Time Management

EDUCATION

- | | |
|-------------------|--|
| 03/2008 – 03/2010 | M.Sc. Electrical Engineering with focus on Telecommunication
<i>Blekinge Institute of Technology (BTH), Karlskrona, Sweden</i>
Relevant Courses: Digital Transmission, Radio Communication, Wireless Networks
Research Thesis: An Investigation of Routing Protocols in Wireless Mesh Networks |
| 09/2002 – 03/2007 | B.Sc. Computer Engineering
<i>Comsats University, Lahore, Pakistan</i>
Relevant Courses: Digital Logic Design, Control Engineering, Computer Networks
Final Year Project: Robust Speed Control of DC Servo Motor |
| 08/2000 – 08/2002 | HSSC (Pre - Engineering)
<i>Government Zamindar College, Gujrat, Pakistan</i>
Relevant Courses: Physics, Chemistry, Mathematics
Examination Board: Board of Intermediate and Secondary Education Gujranwala |
| 06/1998 – 06/2000 | SSC (Matriculation)
<i>Fauji Foundation Model School Gujrat, Pakistan</i>
Relevant Courses: Science Subjects
Examination Board: Board of Intermediate and Secondary Education Gujranwala |

PROFESSIONAL EXPERIENCE

- | | |
|-------------------|--|
| 02/2026 – Present | Cambridge International (AS & A-Level) Teacher
<i>Self Employed</i> <ul style="list-style-type: none">• Academic Focus: Computer Science - 9618 |
| 09/2024 – 01/2026 | Lecturer – Department of Computer Sciences
<i>Air University, Kharian Pakistan</i> <ul style="list-style-type: none">• Academic Focus: Digital Logic Design, Information Security, Applications of ICT• Administrative Roles: Focal Person (Sports), Focal Person (E-Course Folder), Advisor (Fall24 Batch) |

- 10/2023 – 06/2024** **Senior Lecturer – Department of Computing and Innovation**
Riphah International University, Lahore Pakistan
- **Academic Focus:** Information Security, Problem Solving, Digital Logic Design
 - **Administrative Roles:** Final Year Project Supervision
- 10/2014 – 09/2023** **Senior Lecturer – Department of Software Engineering**
Lahore Garrison University, Lahore Pakistan
- **Academic Focus:** Digital Logic Design, Information Security, Operations Research, Operating Systems, Software Engineering, Microprocessor and Assembly Language, ICT
 - **Administrative Roles:** Focal Person (Purchase Committee), Team Member (Disciplinary Committee)
- 10/2014 - 09/2023** **Head of the Departmental Examination Committee**
Lahore Garrison University, Lahore Pakistan
- **Administrative Responsibilities:** overseeing the conduct of the examination in the relevant department block, nominating the names of the block in charge, deputy block in charge, and invigilators, coordinating directly with the controller of examination for resources required for the smooth conduct of the examination, documenting all cases of examination malpractices and forward same to the office of the dean
- 08/2010 – 10/2014** **Network Administrator – Department of Information Technology**
Punjab Group of Colleges, Lahore Pakistan
- **Administrative Responsibilities:** Overseeing the institution's whole IT system, network Monitoring and Threat Avoidance, ensuring the stable operation of computer networks, ensuring network security, coordinating software implementation and upgrades, and reporting to the IT manager
- 05/2008 – 06/2010** **Teaching Assistant – Department of Telecom and Signal Processing**
Blekinge Institute of Technology (BTH), Karlskrona Sweden
- **Administrative Responsibilities:** Tracking attendance, grading assignments, and calculating grades. Recognizing the issues, students are facing. Preparing lecture materials and PowerPoint presentations. Collaborating with the teacher in charge of the classroom.
- 03/2007 – 02/2008** **Computer Lab Incharge – Department of Computer Technology**
Faran Institute of Technology, Gujrat Pakistan
- **Administrative Responsibilities:** Installing the relevant software on the workstations. Assisting students and instructors with utilizing specific lab software and equipment effectively.

TRAININGS AND INTERNSHIPS

- 05/2006 – 08/2006** **Internee Computer Engineer – Department of Distribution**
SUI Northern Gas Pipelines Limited, Sargodha Pakistan
- **Administrative Responsibilities:** Monitoring and maintaining the computer systems and network, keeping computer systems run smoothly, and assisting the manager distribution in different tasks
- 05/2005 – 08/2005** **Internee – Department of BSS Operations**
Ufone GSM, Lahore Pakistan
- **Administrative Responsibilities:** Assisting the lead engineer for BSS related tasks, surveying of different BTS sites citywide, and helping the lead engineer in making reports
- 05/2004 – 08/2004** **Internee – Department of Recovery and Billing**
WorldCall Telecom Limited, Lahore Pakistan
- **Administrative Responsibilities:** Assisting the Executive Recovery and Billing, and making record of unpaid bills and arrears of the customers

PROJECTS

- Implementation of false position (regula falsi) method for finding real root of non-linear equation using MATLAB.
- Speech Recognition using MATLAB.
- Implementation of a control system to regulate the speed of DC servo motor. The objective of the project was to develop a control algorithm that ensures the motor operates at the desired speed while maintaining robustness against disturbances and uncertainties.
- Digital Door Lock using logic gates. The objective of the project was to design a security system that unlocks only when a correct binary password is entered using input switches

CERTIFICATES (12 of 30)

- Certified Administrative Professional, Molloy University
- IBM Certified Data Analyst
- Google Certified Educator
- Gemini Certified Faculty
- Excel Basics for Data Analysis, IBM, Coursera
- Fundamentals of Network Communication, University of Colorado, Coursera
- The bits and bytes of Computer Networking, Google, Coursera
- Cyber Threat Intelligence, IBM, Coursera
- Certificate of Appreciation in successfully organizing the final year project showcase
- Certificate of Participation in International Online Conference on Digitalization and Cyber Security, 2020
- Embedded System Development from Comsats University, Lahore, Pakistan
- Introduction to Security and Privacy, US Department of Education, March 2022

RESEARCH PUBLICATIONS

Published: 12 | Under Review: 2

- Waqas Ahmad, Uzma Batool, Muhammad Kashif Aslam, & Waseem Younas. (2025). Unveiling 6G Networks: Innovations, Challenges, and Future Research. Journal of Computing & Biomedical Informatics, 8(02).
- Ahmad, W., Raza, M. A., Nawaz, S., & Waqas, F. (2023). Detection and analysis of active attacks using honeypot. International Journal of Computer Applications, 184(50), 27-31.

MEMBERSHIPS

- International Association of Engineers
- Pakistan Engineering Council

REFERENCES

Dr. Uzma Batool

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Dr. Muhammad Kashif Aslam

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Department of Electrical Engineering
University of Poonch, Rawalakot Pakistan
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