

AQIB SHAHZAIB

Lecturer | Computer Science | AI & Deep Learning Researcher

📍 Islamabad, Pakistan

☎ +92 310-1541975

✉ aqibshahzaib087@gmail.com

🌐 <https://www.linkedin.com/in/aqibshahzaib01/>

PROFESSIONAL SUMMARY

Dedicated Computer Science lecturer and researcher with over 4 years of industry experience in software development and IT infrastructure, combined with an M.S. in Computer Science (CGPA 3.70/4.00). Expertise spans Deep Learning, Computer Vision, IoT, and python development. Published researcher in peer-reviewed international journals, with a strong commitment to delivering impactful and research-driven education. Currently teaching as lecturer at Ibadat International University, Islamabad.

PROFESSIONAL EXPERIENCE

Lecturer — Computer Science

Feb 2026 – Present

Ibadat International University, Islamabad

- Teaching undergraduate courses in ANN, Database Systems, Programming Fundamentals, and Object-Oriented Programming
- Designing course content, assessments, and lab exercises aligned with HEC guidelines
- Mentoring students on programming projects and academic development

Software Engineer / IT Administrator

Oct 2021 – Feb 2026

Capital University of Science & Technology (CUST), Islamabad

- Maintained and managed IT infrastructure serving faculty, students, and administrative staff
- Configured and administered Domain Controller, WDS, Print Server, and File Server environments
- Developed OS-level security policies and permission frameworks to enhance institutional security
- Built automated solutions using Python, significantly reducing manual administrative overhead
- Resolved network issues, managed online seminars, and supported HEC/PEC institutional visits
- Streamlined printer and multimedia management processes across campus

Administrative Assistant

Feb 2021 – Jul 2021

Qavi Engineers (Pvt.) Limited, Islamabad

- Provided administrative support for operations at the German Embassy, Islamabad

Python Development Intern

Jun 2020 – Oct 2020

Experts Vision, Islamabad

- Developed desktop applications using Python and the PyQt5 framework

EDUCATION

M.S. Computer Science

2022 – 2024

Capital University of Science & Technology (CUST), Islamabad

- CGPA: 3.70 / 4.00
- Thesis: Lesion Segmentation of Dermoscopic Images for Classification of Skin Cancer using Deep Neural Networks
 - Developed an Efficient Hair Removal (EHR) framework using deep learning and computer vision
 - Implemented and fine-tuned CNN models on dermoscopic images for skin cancer diagnosis
- Key Coursework: Deep Learning, Data Mining, Internet of Things, Cyber Forensics

B.S. Computer Science

2017 – 2021

Pir Mehr Ali Shah Arid Agriculture University (UAAR), Rawalpindi

- CGPA: 3.61 / 4.00
- Final Year Project: IoT-Based Smart Home with Remote Control
 - Implemented hardware solution using ESP8266 microcontroller
 - Developed web application with ASP.NET Core and Firebase database integration

HSSC (Intermediate) — Computer Science

2014 – 2016

Punjab College, Ayub Park Campus, Rawalpindi

SSC (Matriculation) — Science

2012 – 2014

IMCB Bhimbertrar, Islamabad

PUBLICATIONS

Shahzaib, A., Siddiqui, A. B., Anjum, N., Rehman, M. U., & Ramzan, N. (2025). *Hair removal and lesion segmentation of dermoscopic images for classification of skin cancer using deep neural networks*. Egyptian Informatics Journal, 32, 100844.

DOI: <https://doi.org/10.1016/j.eij.2025.100844>

RESEARCH & PROJECTS

- AI-Based Skin Cancer Diagnosis System — Deep CNN for dermoscopic image classification
- Facial Expression Recognition using Deep Convolutional Neural Networks
- Remote Patient Heart Monitoring System with real-time doctor alert notifications
- Patient Records Management System developed for an NGO
- Point of Sale (POS) System built with Python
- Hair Removal using AI and Computer Vision Techniques (published research)
- Python-Based Active Directory Controller for automated IT administration
- Smart Home System with web interface and IoT integration

TECHNICAL SKILLS

Programming Languages	Python, C#, C, C++, JavaScript
Frameworks & Libraries	TensorFlow, PyTorch, Django, Angular, PyQt5, NumPy, OpenCV, Pandas, Scikit-learn
Specializations	Deep Learning, Computer Vision, Image Segmentation, Image Classification, IoT
Development	Desktop Applications, Web Applications, AI Solutions
IT & Systems	Domain Controller, WDS, Active Directory, Print/File Server, Network Administration