



Muhammad Aarsal

Information Engineering Technology

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About Me

Motivated and detail-oriented Information Engineering student with hands-on experience in software development, quality assurance, and research projects. Skilled in circuit design, automation, and documentation.

Skills

Circuit Design	Advanced
Arduino	Advanced
MIPS Assembly	Intermediate
Flutter App Development	Advanced
AutoCAD	Advanced
SolidWorks	Intermediate
MS Office	Expert
CCTV Security Setup	Advanced
Leadership & Team Work	Advanced
Research & Analytical Skills	Advanced
Computer Literacy	Expert

Objective

Seeking opportunities to apply technical expertise in a dynamic environment.

Education

SSC, Board of Intermediate and Secondary Education Rawalpindi (07/2014 – 01/2015)

Diploma Of Associate Engineering Mechatronics, Punjab Board of Technical Education Lahore (01/2018 – 01/2021)

BS Information Engineering Technology (4th Year), National Skills University Islamabad, Pakistan (2021 – 2025) Completed

Work Experience

IT Support Officer at Mohi-Ud-Din Islamic University, Camp Office, Sihala Road, Islamabad (11/2025 – 12/2025)

- Configured and integrated ZKTeco BioTime hardware and software for time attendance and access control, including database setup, device connectivity, and attendance reporting features.
- Set up IP cameras for surveillance, including network configurations, advanced settings like motion detection and notifications, and integration with NVR systems.
- Managed IP addressing, subnetting, and allocation for efficient network design, along with crimping RJ45 connectors for Ethernet cables.
- Enhanced proficiency in Microsoft Office suite (Excel, Word, PowerPoint, Outlook) and Azure basics, including cloud computing models and identity management.
- Learned virtualization concepts using Hyper-V and VMware ESXi, including VM creation, resource allocation, and troubleshooting boot issues.
- Performed system maintenance tasks such as Windows installations, disk cleaning and partitioning, BIOS handling, PC surveys, and hard disk health checks.
- Troubleshot real-time issues including PC boot failures, Google services connectivity, ZKBio attendance alerts via Gmail SMTP, and VMware VM boot problems.

Quality Assurance (SQA) Intern at Ivy Interactive Solutions, Islamabad (09/2020 – 10/2024)

- Conducted software testing, bug tracking, and report documentation for mobile applications.
- Collaborated with developers to ensure product quality standards.

Data Entry Intern at Ivy Interactive Solutions, Islamabad (2020–2025)

- Managed data entry tasks with high accuracy and efficiency.
- Maintained database records and supported administrative functions.

Mobile App Developer Intern at Workplace/Company (2024–2025)

- Developed mobile applications Frontend using Flutter.

Secondary Sales Administrative and Maintenance at Tops Murree Brewery Company, Market (2024–2025)

- Managed secondary sales data using cloud-based platforms to ensure accurate tracking and reporting.
- Maintained and updated sales records using native language applications for efficient administrative operations.
- Collaborated with teams to streamline sales processes and support maintenance of market operations.

Training

Training at Ivy Interactive Solutions, Islamabad (10/2024 – 09/2025)

Training at Ahmed Traders Hikvision CCTV, Mirpur Azad Kashmir (06/2017 – 08/2019)

Personal Projects

Arduino Based Line Following Robot (11/2019 – 01/2020)

Bluetooth Controlled Grass Cutting Robot (02/2021 – 05/2021)

Bluetooth Controlled Home Automation (03/2023 – 04/2023)

Online Shoes Management System using Doubly Linked List (01/2023 – 02/2023)

Car Parking System using MIPS Assembly Language (04/2023 – 05/2023)

3D Printer (Final Year Project) (09/2023 – 06/2024)

Certificates

Mobile App Development and SQA at Ivy Interactive Solutions (10/2024 – 09/2025)

Certificate for Best Performance, NSU Literary Society, National Skills University Islamabad (2021 – 2023)

Achievements

PEEF Scholarship, Government College of Technology, Chakwal

Languages

Urdu Expert (100/100)

English Intermediate (60/100)

Interests

Mobile App Development (Frontend)

Robotics & IoT Innovation

References

Dr. Shahid Anwar, Assistant Professor in Information Engineering Technology Department, National Skills University Islamabad
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0333-9922034

Sir Faheem, Lecturer in Government College of Technology Chakwal
0321-5667574