



Besaam Ansar Chaudhary

Phone: 0315-9515117

Email: besaam505@gmail.com

Location: Mirpur AJK

Education

FAST - National University of Computer and Emerging Sciences, Islamabad.

Bachelor of Science (Electrical Engineering)	2024
Kashmir Model College Mirpur	2019
F.Sc (Pre-Engineering)	
Kashmir Model College Mirpur	2017
Matric (Science)	

Projects

Final Year Project:

Smart RFID-Enabled IoT Pet Feeder

- Designed a system to help busy pet owners manage feeding schedules, especially for multiple pets.
- Automated pet feeding using RFID technology to identify pets individually, ensuring proper feeding.

Semester Projects:

- Smart City Traffic Monitoring System Using Raspberry Pi. (IoT)
- Designed a Low Power Embedded Sensor Node to Monitor Structural Health of a Dam. (Embedded Systems)
- Temperature Controlled DC Fan using a Microcontroller.
- IoT Smart Street Light Controller

Work Experience

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| • WAPDA Hydro Power Station Mangla Dam | Jun 2022 – Aug 2022 |
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Skills & Tools

Professional Skills	LT spice, cadence design system, Proteus, MATLAB, Jupiter Notebook, STM32CUBEIDE, ArduinoIDE, LabVIEW, Excel, Word, AWS, C, C++,
Technical Skills	PCB Designing, Circuit Designing , Basic C++, Embedded Programming,

Achievements

Technical Expertise: Gained hands-on experience with hardware simulation and software tools such as MATLAB, Simulink, and PSIM.

Energy Innovation: Contributed to designing an energy-efficient regenerative braking system for household power solutions.

Internship Experience: Successfully completed a technical internship at Wapda Hydro Power Station with practical exposure to energy management systems.

Trainings / Certification

- AWS Cloud Foundations (12/2023)
- Python Fundamentals (05/2023)
- MATLAB (Beginner) (09/2022)

Activities

- Developed a Hybrid Energy Utilization System for energy capture and storage.
- Head of Logistics at IEEE, managing event operations and resources.
- Gained experience in energy systems optimization during internships.

Interests

Trading, Cars, Travelling