Kinza khan

Electrical Engineering

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Final-year Electrical Engineering student with hands-on experience in embedded systems, digital hardware design, power electronics, and machine learning. Delivered 10+ engineering projects end-to-end, won three robotics competitions, and held leadership roles in social-impact society. Adaptable across hardware and software domains; seeking an engineering internship to contribute to real-world technical challenges.

EDUCATION

Bachelor of Electrical Engineering
Namal University, Mianwali

10/2022 - Present *Mianwali, Pakistan*

Courses

- Electronic Devices & Circuits
- Control Systems
- Digital Signal Processing
- Electric Machines
- Machine Learning
- Signals & Systems
- Communication Systems
- Power Electronics
- Microcontrollers & Embedded Systems
- Renewable Energy Systems

WORK EXPERIENCE

Vice President
Namal Society for Social Impact

09/2025 - Present *Mianwali, Pakistan*

Achievements/Tasks

- - Led social impact initiatives and community outreach programs.
- - Coordinated team activities and managed society operations.
- - Mentored junior members and facilitated skill-building workshops.

General Secretary
Namal Society for Social Impact

09/2024 - 08/2025 *Mianwali, Pakistan*

Achievements/Tasks

- - Managed official communications and maintained society records.
- - Organized Convocation and Orientation events at Namal University.
- - Facilitated skill-Building and Chracter Building seminars.

ORGANIZATIONS

Namal Society for Social Impact (2024 – Present)
Vice President / General Secretary

SKILLS

AutoCAD | C/C++ | ETAP | Leadership | Management | MATLAB | MySQL | Proteus | PSpice | Python | TensorFlow

PERSONAL PROJECTS

Anti-Cheating surveillance system (FYP)
- AI-powered exam monitoring system using computer vision & embedded hardware to assist invigilators.
- Classifies suspicious behaviours in real time.

Crop Recommendation System
- Machine Learning project using TensorFlow and Scikit-learn.
- Recommends optimal crops from soil and climate data.

Line Following Robot
- Built autonomous robot with IR sensors and PID control.
- Won 1st Place at Namal Tech Expo 2024.

RISC-V Pipelined SoC Processor
- 5-stage pipelined RISC-V SoC implemented in Verilog.
- Includes hazard detection and data-forwarding units.

ACHIEVEMENTS

1st Place — Balloon Bursting Robot (2025)
Namal Tech Expo, Namal University

1st Place — Line Following Robot (2024)
Namal Tech Expo, Namal University

1st Place — Sumo War, AI Innofest (2025)
Bahria University Islamabad

LANGUAGES

English
Professional Working Proficiency

Urdu
Full Professional Proficiency

INTERESTS

Athletics | Designing | Hiking | Painting | Power Systems | Robotics | Sketching | Volleyball