

# Kishwar Faisal

Electrical Engineering

Passionate engineering student driven to turn ideas into real-world tech solutions.



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📍 Bahawalpur, Pakistan

## EDUCATION

### Pre-Engineering Daanish School Girls Hasilpur

09/2020 - 08/2022

83% Marks

### Electrical Engineering Namal University Mainwali

09/2022 - Present

#### Courses

- Communication System
- Computer and Communication Network
- Engineering Drawing
- Signal and System
- Digital Signal Processing
- Embedded System
- Digital Logic Design

## PERSONAL PROJECTS

### Audio Signal Processing in Matlab Recording Merging and Voice Extraction (01/2024)

- An audio signal processing project in MATLAB involving recording, merging, and voice extraction from mixed audio signals.

### Swan PK Company (12/2024)

- A Swan PK Company network simulation using Cisco Packet Tracer to design and analyze a secure and efficient enterprise network.

### Traffic Lights 3D Model Using AUTOCAD (07/2024)

- A 3D traffic light model designed in AutoCAD to visualize signal structures and layout in urban planning.

### Sumo War Rebot (05/2023)

- A Sumo War robot project using Arduino Uno to detect and push opponents out of a ring using sensors and motor control.

### Line Following Rebot (04/2024)

- A Simulink-based line following robot project simulates autonomous path tracking using sensors and control logic.

### Stop Watch (01/2024)

- A DLD stopwatch project using counters to track time with start, stop, and reset functions.

### A Bluetooth-controlled balloon bursting robot

- A Bluetooth-controlled balloon bursting robot using Arduino, operated via a mobile app for remote navigation and popping actions.

## SKILLS

Cisco Packet Tracer

HFSS

Arduino

AutoCAD

MATLAB

Dev C++

Assembly

Simulink

Vmare

Proteous

PSPICE

Multisim

Modelsim

## ACHIEVEMENTS

### Participated in Namal Tech Expo (05/2024)

Participated in the Namal Tech Expo with projects including a Bluetooth-controlled balloon bursting robot and a Sumo War robot.

### Participated in AI InnoFest 2025 (05/2025)

Participated in AI InnoFest 2025 with a Sumo War robot built using Arduino Uno, showcasing autonomous combat and navigation.

## CERTIFICATES

Namal Tech Expo at Namal University Mianwali

## LANGUAGES

English

Full Professional Proficiency

Urdu

Elementary Proficiency

Punjabi

Native or Bilingual Proficiency

## INTERESTS

Embedded System

Robotics