# Badar Hafeez Khalid

Electrical Engineering Student |
IoT & Machine Learning Enthusiast


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Vehari


Electrical Engineering student with a strong interest in machine learning, IoT, and embedded systems. Experienced in developing real-world projects and solving technical problems through innovative solutions. Also skilled in graphic design and creating professional digital content. A quick learner, team player, and hardworking individual eager to grow and contribute in a professional environment.

## EDUCATION

**Bachelor of Science in Electrical Engineering**
Namal Univeristy, Mianwali
2022 - Present

## PROJECTS

**Sign Language Recognition System (FYP)**
Role
*Developed a real-time system using sensors and machine learning.Implemented gesture recognition using classification algorithms. Integrated ESP32 and handled real-time data processing.*

**Voice Extraction Project (MATLAB)**
Role
*I made a voice Detection Project in MATLAB. In this project I merge different voices then I extract a special voice from it.*

**Line Following Robot**
Role
*I built a Line-Following robot in an embedded system. And my project got the third position in the competition.*

## WORK EXPERIENCE

**Graphic Designer**
Emerging Vision
*Designed social media posts, banners, and marketing content.Created 30-day content strategies for multiple platforms. Improved audience engagement through creative visuals. Maintained brand consistency across all designs*
Jul 2025 - Sep 2025 | Islamabad

## SKILLS

Python | C | C++ | Machine Learning | App Development | Front-End Development | MATLAB | VS Code | Canva

## ORGANIZATIONS

**Namal Society for Social Impact**
Blood Wing Head
Nov 2025 - Present

**Namal Idea Club**
Vice President
Sep 2025 - Present

## CERTIFICATES

**Certificate of Particiapation**
IEEE Namal Branch
*I joined a 3-day workshop of Python organized by Namal IEEE.*

**Certificate of Machine Learning**
Coursera
*Beginner Level*

## LANGUAGES

**Urdu**
*Native or Bilingual Proficiency*

**English**
*Professional Working Proficiency*

## INTERESTS

ML | Robotics | IOT