

Badar Hafeez Khalid

Electrical Engineering Student | IoT & Machine Learning Enthusiast

I am an Electrical Engineering student with a strong interest in machine learning, IoT, and embedded systems. I have hands-on experience developing real-world projects, including a sign language recognition system that combines sensors, data processing, and machine learning techniques. Alongside my engineering background, I have professional experience in graphic design, creating impactful social media content and visual materials. This combination of technical and creative skills allows me to solve problems effectively and think from multiple perspectives. I am a dedicated and quick learner with strong problem-solving and teamwork skills, eager to contribute to innovative and growth-oriented environments.

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.

07 / 2025 - 09 / 2025 | Islamabad

SKILLS

Python

C

C++

Machine Learning

App Development

Front-End Development

MATLAB

Proteous

VS Code

Canva

ORGANIZATIONS

Namal Society for Social Impact

Blood Wing Head

11 / 2024 - Present

Namal Idea Club

Vice President

10 / 2025 - Present

CERTIFICATES

Certificate of Participation

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*

Punjabi

*Native or
Bilingual
Proficiency*

INTERESTS

Machine Learning

Robotics