



Muhammad Wajid Jamal

BS Electrical Engineering

✉ muhammadwajidjamal1@gmail.com

☎ 0327-8133063

📍 Mianwali, Pakistan

🌐 muhammad-wajid-jamal-016b2a2a8

Passionate Electrical Engineering student adept in innovative circuit design and Programming, eager to contribute to cutting-edge projects with practical skills and knowledge.

EDUCATION

○ BS Electrical Engineering

Namal University Mianwali
Oct 2022 - Present

PERSONAL PROJECTS

Human Re-Identification for Crowd Management

Developed and implemented a system for human re-identification using visual features for crowd.

Human Re-Identification for Crowd Management is a surveillance and monitoring system designed to detect and identify individuals using body appearance and gait patterns, enabling efficient crowd analysis, person tracking, and enhanced security management.

Lane Detection using Digital Image Processing

Developed lane detection using HSV thresholding and Canny edge detection in OpenCV.

Implemented lane detection using HSV color space thresholding and Canny edge detection in OpenCV. Improved detection stability by tuning HSV ranges for different lighting conditions.

Air Quality Index Prediction Using Machine Learning

Developed and trained machine learning models for AQI prediction using Python

Developed an ML model to predict AQI using environmental features. Applied preprocessing, feature selection, and regression models using Python and Scikit-learn.

WORK EXPERIENCE

○ Electrical Engineering Intern

Bestway Cement Limited, Pai Khel, Mianwali

Completed industrial training covering cement plant operations and control systems. Worked in raw mill, kiln, cement mill, and Central Control Room (CCR) using SCADA systems. Assisted engineers in monitoring and maintaining production stability.

○ Event Management

Namal Open House

○ Event Management

Robotic Competition and FYP Exhibition

SKILLS

Python

Circuit Design and Analysis

MATLAB/Simulink

Problem-Solving Skills

Team Collaboration

Proteus

Cisco Packet

GNU Radio

Expert In PowerPoint

ACHIEVEMENTS

1st Position In Robotic Competition

NTEXPO

Namal Tech Expo 2025

1st Position In Sumo War Robotics

INNOFEST

AI INNOFEST 2025 Bahria University Islamabad

CERTIFICATES

Ballon Busting

Certificate Issuer

1st Position In Namal-Tech Expo 2025

Line Following Robot

Participation

AI INNOFEST 2025 Bahria University Islamabad

Sumo War Robot

Winner

AI INNOFEST 2025 Bahria University Islamabad

LANGUAGES

English

Professional Working Proficiency

Urdu

Native or Bilingual Proficiency