



# ALI HUSSAIN

Electrical Engineer | Computer Engineer |  
Embedded Systems & IoT Expert | Web  
Developer

## CONTACT

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📍 Pakistan , Chiniot

## EDUCATION

2017 - 2019

GOVT ISLAH HIGH SCHOOL

- Matric certificate

2019 - 2022

GOVT ISLAMIA COLLEGE

- Fsc Pre Engineering

2022 - 2026

- FAST NUCES Electrical Engineering
- CGPA 2.7/4.0

## SKILLS

- Coding: C++, python, html and CSS
- Embebbed system: Arduino
- operating system: Windows, Linux
- Assembly language: Atmega32
- Iot: Smart home automation
- Data Analysis: Matlab, Simulink
- Soft Skills: Communication

## LANGUAGES

- English
- Urdu
- Punjabi

## PROFILE

I am a results-driven Electrical Engineer with a specialization in Computer Engineering, passionate about developing cutting-edge IoT solutions, and smart automation technologies. With hands-on experience in robotics, wireless EV charging, I integrate software and hardware to build intelligent, sustainable solutions. My expertise extends to web development and networking.

## WORK EXPERIENCE

### Projects

- Wireless Ev charging station
- Cricket management system using C++
- Medical Pharmacy using C++
- Water level indicator
- Smart Code door lock system
- Obstacle Avoding Car Robot
- Phase Modulation

### Professional Goals

- Innovate smart embedded systems and IoT solutions for sustainable and automated industries.
- Develop AI-driven robotics for waste management, agriculture and industrial automation.
- Advance wireless power transmission and smart renewable energy technologies
- Smart Water purification and IoT based and Currently research on waste plastic sorting robot

### Future learning Goals

- Gain expertise in AI and Machine Learning for intelligent automation.
- Learn Advanced FPGA Design for high-performance embedded applications.
- Enhance Cybersecurity knowledge for securing IoT and networked systems.
- Develop skills in Cloud Computing & Edge Computing for IoT-Smart based with Computer Vision