



# Alyzeh Shakeel

ROBOTICS & AI ENGINEER × DESIGNER

## Profile

"Engineering intelligence, designing beauty." A Robotics & AI student who builds autonomous robots and power electronics — with a fashion designer's eye for detail.

## Education

### BS Robotics & Artificial Intelligence

Semester 4

University of Lahore · Roll# 70177871

Focus on robotics, embedded systems, power electronics, AI and numerical computing.

## Projects

### Line Follower Robot

IR-sensor + PID autonomous path tracking on Arduino.

### Maze Solver Robot

Self-navigating robot using wall-following algorithms.

### Gesture Control System

Motion-gesture device control via accelerometer.

### Automatic Door System

Proximity-triggered door with ultrasonic + servo.

### LED Display Matrix

Programmable scrolling-text LED matrix.

### Regulated DC Power Supply

Transformer, rectification, filtering & regulation.

### Custom PCB Design

Schematic capture, routing & fabrication (EDA).

### Boston Marathon EDA

Data-visualization website with Python EDA.

## Strengths

Rare dual expertise in **hardware engineering** and **visual design**. Hands-on with soldering, repair and PCB fabrication. Strong analytical and problem-solving skills. Passionate about the electronics technician field.

## Contact

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🌐 [github.com/Alyzehhhh](https://github.com/Alyzehhhh)

📍 @glamdiarree

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## Technical Skills

Arduino / C++ 92%

Electronics & Circuits 90%

Python 90%

PCB Design 85%

Power Electronics 84%

AWS / Linux 80%

## Also

Fashion Design

Graphic Design

Soldering

OOD

Numerical Computing

Linear Circuit Analysis