

# SYED M. AHSAN

COMPUTER ENGINEER

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Lahore, Punjab, Pakistan

[GitHub Profile](#)

[LeetCode Profile](#)

## SUMMARY

Enthusiastic about initiating a dynamic learning journey and making a meaningful contribution to the software engineering field, I am thrilled at the prospect of joining your organization. Aligned perfectly with my career aspirations, I am committed to dedicating my time and efforts to grow into a valuable asset for your team. My blend of solid technical skills and effective interpersonal abilities equips me to collaborate seamlessly with diverse teams and individuals. I am eager to apply my knowledge and passion for software development in a practical setting, while continuously enhancing my skills to contribute meaningfully to your organization.

## SKILLS

- C/C++
- Python
- HTML, CSS, JS
- Java
- React.js
- Node.js
- Machine Learning
- MySQL
- Embedded Programming
- Object Oriented Programming
- GitHub
- Linux

## WORK EXPERIENCE

### JFreaks Software Solutions

Software Engineer • Feb 2024 - Present

- Collaborate with cross-functional teams to identify and prioritize features and requirements.
- Improving product quality by identifying issues and common patterns.
- Maintaining and improving existing products and peer review code changes.
- Enhancing applications by identifying opportunities for improvement, making recommendations and designing and implementing systems.

### Teaching Assistant

Introduction To Computing and Data Science Lab • Sep 2023 - Dec 2023

- Organised and distributed learning materials, homework, textbooks and classroom supplies.
- Collaborated with teacher to devise and execute challenging, stimulating lessons.

## EDUCATION

### B.Sc Electrical Engineering (Computer Science)

University of Engineering and Technology, Lahore • 2020–2024

CGPA: 3.82

## CERTIFICATIONS

### Machine Learning Specialization

Coursera, Stanford, DeepLearning.AI

## PERSONAL & ACADEMIC PROJECTS

**Final Year Project:** Revive Cycle The Ultimate Smart Recycling Solution.

- Developing a web app for reverse vending machines, optimizing owner and user interaction. Employed **React**, **Node.js**, **Express**, and **MySQL** for efficient machine and bottle data management.
- Implemented **YOLOv8** for image processing in a **.NET** application, enabling real-time bottle classification by the camera and seamless database updates.

**Snake Game:** Python GUI Game (**PyGame**, **pytsx3**, **os**)

**Processor Design:** Implemented basic ALU and CU Design (**C**, **Verilog**)

**Smart Washing Machine:** A bluetooth controlled machine (**C**, **STM32F407**)