Aamena Mahudhawala

📞 +91-7387786127 ✉️ amumahudhawala@gmail.com in linkedin.com/in/aamena-mahudhawala

⌨ github.com/AamenaMahudhawala

Education

P.E.S Modern College of Engineering   **Nov 2022 – Present**
Bachelor of Engineering(Electronics and Computer Engineering): SGPA: 8.5 Average   *Pune, India*

Delhi Public School   **Academic Year 2021-22**
AISSCE: 84%   *Pune, India*

Delhi Public School   **Academic Year 2019-20**
AISSE: 93%   *Pune, India*

Projects

Capstone Project 🐍 | *Python,OpenCv,sklearn*
- Developed a computer vision application using Python and OpenCV for real-time image and video processing, implementing techniques like filtering, contour detection, and object tracking to demonstrate applications in automation and human-computer interaction.

Banking Management System ⌨ | *Python,MySQL*
- Efficiently manages various aspects of a Bank, including Account Creation,Deletion,Updating.
- Includes functionalities for both Savings as Well as FD accounts

Smart Reminder System ⌨ | *EMBEDDED C,ESP32, Firebase Realtime data base*
- A reminder system which can store reminders and say it out loud when the time matches.
- ESP32 is used as a microcontroller,RTC module is used for timing. Talkie library for text to speech.
- User can store new reminders which will be store on firebase. And every 15s the esp will check firebase for new reminders/time match.

Pathfinder 🐍 | *Python,Embedded C++,ArduinoIDE*
- A two wheel drive robot which detects obstacles and returns the path taken via bluetooth
- Includes ESP32, ultrasonic sensors and RGB Color Sensor

Certifications

AWS Certified Cloud Practitioner (CLF-C02)   **July 2025**
AWS Credential on Credly

Technical Skills

Languages: C,C++,Python, Basic Java
Frameworks & DBs: MySQL, PostgreSQL, Firebase,MongoDB
Tools: Git,VS Code, Arduino IDE,Fusion360
AIML: Tensorflow,keras,easyOCR,tessaract,Pytorch,YOLOv3

Blogs

Designing Good Software Projects: A Guide for Students   **June 2025**
medium/Designing-Good-Software-Projects:A-Guide-for-Students

Relevant Coursework

- Data Structure and Algorithms
- System Design
- Object Oriented Programming
- Operating Systems
- Database Management Systems
- Computer Networks
- OCR and Image Recognition
- DeepLearning and Machine Vision

Achievements

- Finalist in IEEE Tech Sangam 2025
- Participated in ABU Robocon 2024
- Participated in Smart India Hackathon
- Participated in IEEE Eureka Pune