

Ahamed Fazil M

Tuticorin, India | ahamedfazil052@gmail.com | +91 8682816554 | github.com/ahamedfaz
linkedin.com/in/ahamed-fazil

Objective

Driven and adaptable engineering graduate with a strong foundation in problem-solving, technology, and practical applications. Skilled in combining analytical thinking with hands-on project experience to deliver efficient solutions. Eager to contribute to a growth-focused organization by leveraging technical expertise, teamwork, and a commitment to continuous learning.

Education

Jeppiaar Engineering College, Chennai Nov 2021-May 2025
B.E. in Electronics and Communication Engineering

- GPA: 7.99/10
- Relevant Coursework: Robotics, IoT, Embedded Systems, VLSI, Signals and Systems
- Robotics Certification – Prag Robotics

Technical Skills

Programming Languages: Python, C, C++, SQL
Web Development: HTML, CSS, FastAPI, Streamlit
Tools: Git, Arduino IDE
Platforms: Raspberry Pi, VS code
Databases: MySQL **others:** tesseract ocr

Projects

AI-Powered OCR System Jan 2025 – May 2025

- Built an offline OCR pipeline on Raspberry Pi to digitize regional language documents.
- Tesseract OCR + image pre-processing to achieve 85% + accuracy on Tamil text.
- Developed a FastAPI backend and real-time dashboard to monitor OCR accuracy.

Four-Wheeled Robot with Obstacle Avoidance May 2024 – June 2024

- Built autonomous robot using IR sensors and Arduino.
- Implemented obstacle detection and real-time directional control.
- Hands-on experience in motor control and embedded logic.

Smart Attendance System using Arduino Mar 2023

- Engineered an automated data logging system utilizing Arduino, capturing 1,500+ data points daily related to energy consumption and transmitting the data to a centralized database for analysis.
- Improved efficiency by reducing manual errors and enhancing monitoring.

Professional Experiences

HealthySun Energy Associates, Chennai – Intern Sep 2024 – Oct 2024

- Designed and supported solar PV installations.
- Gained practical knowledge of renewable system design and maintenance.

BSNL, Tirunelveli – Intern Jul 2023

- Learned networking protocols and telecommunication systems.
- Worked with FTTH technology and fault detection.

Achievements

- Head Treasurer**, National Symposium (Mar 2024): Managed Rs. 1.5L+ budget and raised 40% in external sponsorships. Led logistics and vendor management.
- Gen-AI Hackathon** (May 2024): Built AI-based resume screening tool using NLP and OpenAI API. Selected in Top 15 finalist teams.