Ahamed Fazil M

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Objective

A dedicated Electronics and Communication Engineering graduate with hands-on experience in Python, C++, and embedded systems. Skilled in developing practical solutions and eager to grow in software development or embedded technology roles. Known for being quick to learn, detail-oriented, and passionate about creating meaningful technology.

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

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.
- Integrated script correction feedback loop for model improvement.

Stock Market Analysis Dashboard   May 2024 – June 2024

- Created an interactive dashboard using Streamlit and yfinance API.
- Visualized technical indicators like SMA, EMA, and RSI.
- Enabled intuitive stock trend exploration through real-time data.

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.