

ARUNESH E

126159008@sastra.ac.in | +91 9789834211 | [LinkedIn](#) | [GitHub](#) | [Portfolio Webpage](#)

PROFESSIONAL SUMMARY

I'm a final-year engineering student with an interest in backend development, web UI design, and data-driven solutions. I also have a strong focus on Electric Vehicles and am looking forward to applying my engineering skills to solve real-world problems.

EDUCATION

B.Tech Electrical and Electronics Engineering (Specialization in Smart Grid and Electric Vehicles)

SASTRA Deemed University

2022 – 2026

SKILLS

Programming & Tools: C, C++, Java, Python, SQL, Git, GitHub, MySQL, VS Code

Web & UI/UX: HTML, CSS, JavaScript, Figma, Responsive Design, UI/UX Principles

Electrical: MATLAB, Simulink, Power Converters, Control Systems, Electric Vehicles

Soft Skills: Problem Solving, Teamwork, Time Management, Quick Learning, Self-Motivated

PROJECTS

1. Automobile Spare Parts Inventory System | C++

Developed an inventory system handling sales, stock, profit, and customer loyalty using file I/O and CSV-based logic

2. EV Charging Station Managing System | Java (In Progress)

Console app to manage EV owner data, vehicle profiles, slot bookings, and billing. Calculates charges based on kWh consumed using file-based storage and modular OOP design.

3. Personal Portfolio Website | Figma

Designed a mobile-responsive portfolio site hosted on GitHub with custom branding and a clean UI.

4. SOC Estimation of Li-ion Batteries using Extended Kalman Filter | MATLAB

Estimated EV battery SOC using Extended Kalman Filter on real-world data, focusing on accuracy under dynamic load conditions.

PROFESSIONAL EXPERIENCE

Intern - Testing and Commissioning of Electrical Equipment

L&T Construction | Dec 2024 – Jan 2025 | Chennai

- Assisted in on-site testing and commissioning of substations, transformers, and diesel generators.
- Ensured compliance with EHS protocols and workplace safety standards.

AREAS OF INTEREST

- Electric Vehicles – Innovative design, On-Board Diagnostics (OBD), and hybrid EV systems for two-wheelers
- Data Analytics – Data-driven decision-making, pattern analysis, and visualization
- Web Design & Development – UI/UX design, front-end implementation, and AI-assisted development workflow

PROGRAMMING PRACTICE

Solving DSA problems on LeetCode in Arrays, Recursion, Dynamic Programming, and OOP patterns

WORKSHOPS

Semiconductor Characterization

Conducted by the Ministry of Heavy Industries, Government of India, at SASTRA University

- Hands-on Experience in Semiconductor Fabrication