

Aravindhan

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CAREER OBJECTIVE

Aspiring Electronics and Communication Engineer with a solid foundation in C, Python, Data Structures, and OOP. Passionate about embedded systems and software development. Eager to contribute to real-world projects while sharpening technical and problem-solving skills in a dynamic environment. Committed to continuous learning and adapting to emerging technologies.

Project

BLE Mesh-based Patient Monitoring System

- Developed a BLE Mesh network using nRF5340 to monitor patient vitals in real-time.
- Followed Agile methodology with sprint-based development: prioritized features like data acquisition, mesh communication, and error handling.
- Conducted iterative testing and integrated feedback to enhance reliability of the wearable device.

Temperature-Controlled Fan using Arduino UNO

- Built a smart fan system that adjusts speed based on ambient temperature.
- Utilized Arduino UNO and a temperature sensor to implement automatic speed control.

IT Helpdesk Ticketing System (Python)

- Developed a console-based application for logging and managing IT support tickets.
- Implemented a menu-driven interface with basic data structures (lists, dictionaries).

Resume Screening Assistant (Python | Flask | HTML | OpenAi)

- Built an AI-powered web app to compare resumes with job descriptions.
- Used Flask and OpenAI GPT to analyze strengths, gaps, and match score.

Coffee Shop Website (HTML | CSS) – [View Project](<https://coffyday.netlify.app/>)

- Designed a fully responsive static website to display coffee menus and services.
- Ensured user-friendly layout and mobile compatibility.

CERTIFICATIONS

Basics of HTML/CSS:

From: OpenWeaver

- Learned The Basic of HTML and CSS.
- Implemented it to Design a fully responsive web app.

Python Programming

From: Guvi

- Completed Python Beginner and Intermediate Module.
- And gained a completion certificate

How to CSS

From: CodeKaro

- Completed the Intermediate topics in CSS.

EDUCATION

BE -Electronics and Communication Engineering	7.54 GPA	2021 - 2025
Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai		
Higher Secondary Education Jeeva Velu Matriculation	83.3%	2019- 2021
Higher Secondary School, Tiruvannamalai		
Secondary Education	66.6%	2017 - 2019
Jeeva Velu International School, Tiruvannamalai		

ACHIEVEMENTS

- Secured 2nd place in the Codethon – a college-level coding competition; awarded cash prize
- Completed multiple self-initiated projects and published on GitHub

SKILLS

- **Programming Languages:** C, Python, HTML, CSS, SQL
- **Web Development:** Responsive Design, Frontend (HTML/CSS)
- **Development Tools:** GitHub, VS Code, Arduino IDE
- **Core Strengths:** Problem Solving, Debugging, Data structure and Algorithms, Object Oriented Programming