Bharat Adithyan S

bharatadi05@gmail.com | +91-9841725275 | Chennai, Tamil Nadu

Motivated 3rd-year B.Tech ECE student with a strong interest in programming, electronics, and communication systems. Seeking opportunities to apply and enhance technical skills through hands-on experience and innovative projects. Fluent in English and Tamil; Conversational in Hindi; Beginner in German.

WORK EXPERIENCE

- Summer internship in Bharat intern as Full stack web developer
- Data Science Intern- Coincent (MICROSOFT)
- Workshop on VLSI chip design and verification- EDVEON
- Airport Authority of India(AAI)- Internship on CNS systems.
- Participated in RISC-V INTERNATIONAL HACKATHON
- Conducted a Hands on Technical Workshop in ESP32 and PIC Microcontrollers

PROJECTS

1.Mobile enabled safe security system

Developed a mobile-integrated smart security system using microcontrollers and LoRa for long-range, low-power wireless communication, enabling real-time intrusion alerts and remote access control; enhanced security coverage across a 10+ km range with minimal power consumption.

2. Blog website and Student Registration form

Designed and developed a responsive blog website and dynamic student registration form using HTML, CSS, and JavaScript, incorporating form validation, modular code structure, and user-friendly UI/UX principles to ensure seamless interaction across devices.

3.Algorithmic trading bot and analytical tool

Engineered an end-to-end algorithmic trading bot using Python and MQL5 to automate strategy execution on MetaTrader 5, integrating real-time market data processing and trade decision logic. Developed a web-based analytical dashboard using HTML, CSS, and JavaScript to visualize performance metrics, trading signals, and historical trends for strategy evaluation and optimization.

4.Electronic Control Unit (ECU)-Simulation

Simulated an Electronic Control Unit (ECU) using Python to emulate real-time automotive sensor data processing, control logic, and CAN-like communication protocols; enabled rapid prototyping and validation of embedded automotive functionalities in a virtual environment.

EDUCATION

Bachelor in Technology, Electronics and Communication Engineering (Data Science)
2022- present
SRM University, Chennai
  Expected graduation date: May 2026
  CGPA: 9.2/10
12th grade-Shrine Vailankanni Senior Secondary School with 80.8%.
10th grade- Shrine Vailankanni Senior Secondary School with 90.2%

SKILLS

Soft Skills:
Communication, Time Management, Adaptability, Team work
Technical Skills:
Programming languages: C, Python, SQL
Web development: HTML, CSS, JavaScript.
Hardware: Embedded C, ESP32, ARDUINO, PIC Microcontrollers.
Tools: Proteus, Arduino IDE, VS Code.

COURSES

Python for Data science (Coincent-Microsoft)
100 Days of Python – Udemy
The Web Development Bootcamp – Udemy
Database management system – NPTEL
Programming, Data Structures and Algorithms using Python – NPTEL

VOLUNTEERING EXPERIENCE

Executive Member - Anandham Youth Foundation (NGO)

LINKS

Github: [Bharat Adithyan S | Github]

LinkedIn: [Bharat Adithyan S | Linked In]