VIRASITH MADDULA

virasith1234@gmail.com
8555053321
linkedin.com/in/maddula-virasith-163283215
github.com/virasith05

Profile

Versatile developer experienced in building AI-powered web applications, responsive front-end interfaces with React.js, and embedded systems development. Proficient in API integration, Spring Boot, Firebase, and real-time data handling to create scalable and user-centric solutions. Strong collaborator in agile environments with a focus on delivering quality full-stack projects. Passionate about leveraging technology to solve real-world problems through continuous learning and innovation.

Education

10/2022 – present
Kollam, India

Electronics and Communication Engineering
Amrita Vishwa Vidyapeetham
Grade : 7.67

06/2019 – 05/2021
Anakapalli, India

Intermediate
Sri Chaitanya Junior College
Grade : 93.6%

05/2019
Visakhapatnam, India

10th
De Paul School
Grade : 84%

Professional Experience

05/2024 – present
Kochi, India

Frontend Developer
HeapVue

- Built and maintained responsive, scalable web applications using **React.js**.
- Developed reusable components and optimized rendering for performance.
- Integrated RESTful APIs and managed application state using **React hooks** and **context API**.
- Collaborated with design and backend teams to ensure seamless UI/UX experiences.
- Conducted code reviews and contributed to agile development processes.

Projects

04/2025 – present

AI-Powered Trip Planner
Front-End, Back-End & AI Developer

- Developed an AI-powered web app to generate personalized travel itineraries based on user input.
- Built a responsive front-end using HTML, CSS, and JavaScript for a smooth user experience.
- Implemented a Spring Boot back-end with RESTful APIs for data handling and OpenAI integration.
- Integrated Firebase for real-time database storage and secure user authentication.

Tech Stack: HTML, CSS, JavaScript, Spring Boot, Firebase, REST API, AI Integration (OpenAI or similar)

11/2024 – 12/2024

Smart Keypad Access and Attendance System With LPC2148

- Designed and developed an embedded system to control access and track attendance using a 4x4 matrix keypad and LCD display.

- Implemented secure password-based access control using the LPC2148 ARM7 microcontroller.
- Written entirely in C and deployed using Keil µVision and Flash Magic.

Tech Stack & Tools:LPC2148, Embedded C, 4x4 Keypad, 16x2 LCD, Keil µVision, Flash Magic, Proteus (for simulation)

Skills

Python	Java
Django	Spring Boot
React JS	Git
MATLAB	Verilog

Courses

- Complete Python with DSA Bootcamp, Udemy
- Machine Learning Essentials, Udemy

Awards

08/2024 **IDC ROBOCON-2024**
HutLabs
- Designed and built robots for task-based challenges under time constraints.
- Worked on robot architecture, motion planning, and control systems using servo and DC motors for precise actuation.
- Gained hands-on experience in mechanical design, embedded systems, and team-based project execution.

Organisations

02/2025 – present **IEEE AMRITA STUDENT BRANCH**
Web Master

03/2024 – 12/2024 **IEEE AMRITA STUDENT BRANCH**
IEEE VICE SECRETARY

02/2025 – present **STAC Club**
Vice-Secretary

Club Activities

02/2025 – present **Mentor, STAC club**
AI-SIG
- Guiding junior students in AI domain
- Assisting students in understanding research paper writing and analyzing research papers

03/2024 – present **Member, HUTLABS**

04/2023 – 02/2024 **Member, ACM**

COMMUNITY OUTREACH PROGRAM

Student Social Responsibility (SSR)
Coordinator & Participant
- Spent time with elderly people by doing fun activities like music, games, stories, and light exercises.
- Learned the value of kindness, listening, and making strong connections with older generations.