Adithiyaa T

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EDUCATION

Sri Siva Subramaniya Nadar College of Engineering   Kalavakkam, chennai
Bachelor of Technology in Information Technology   *Aug 2023*

Mahatma Montessori CBSE School   Madurai
SSHC   *JUNE 2021 - APRIL 2023*

PROJECTS

Sentiment-Based Share Advisor | *React, Node.js, Express, Gemini API*   2025
- Built a real-time sentiment-powered stock analysis platform that integrates stock price tracking with sentiment insights from news headlines and social platforms.
- Developed a React-based frontend with dynamic data visualization and integrated backend using Node.js and Express to process sentiment scores via Google Gemini API.
- Implemented robust error handling, API fallback mechanisms, and responsive UI for seamless user experience.

Hostel Accomodation System | *Python, Flask,html,css,geographic API*   January 2025 – Present
- Developed a Hostel Accommodation System using Python, Flask, HTML, CSS, and Geographic API, enabling users to search, book, and manage hostel accommodations with real-time location data.
- Implemented a secure backend with Flask and SQLAlchemy, integrating Geographic APIs to enhance user experience by providing location-based hostel recommendations and route mapping.

Parcel Delivery Management System | *SQLAlchemy,Python,Flask,html,css*   2024
- Designed and developed a Parcel Delivery Management System using Python, Flask, SQLAlchemy, HTML, and CSS, enabling efficient parcel tracking, order management, and real-time status updates.
- Implemented a robust database with SQLAlchemy to manage parcel details, delivery statuses, and customer information while ensuring data integrity and seamless CRUD operations.

Simple Notes taking platform | *Python,Flask,html,css*   2024
- Designed and implemented a note-taking platform using Python, Flask, HTML, and CSS, applying software design patterns to enhance scalability and maintainability.
- Utilized design patterns such as MVC (Model-View-Controller) to structure the application efficiently, ensuring a modular and well-organized codebase for seamless user experience.

BrailleVerse: Read Beyond Dots | *AR/VR project based on image processing*   January 2025– Present
- Developed an AR/VR-based assistive technology leveraging image processing to translate Braille text into readable formats, enhancing accessibility for visually impaired users.
- Integrated computer vision techniques to recognize and interpret Braille characters in real-time, enabling an immersive and interactive reading experience in AR/VR environments.

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), JavaScript, Node.js, HTML/CSS,Fundamentals of Java
Frameworks: Node.js, Flask,FastAPI
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm

ADDITIONALS

Regularly practice competitive coding on platforms like LeetCode
Volunteer, Envision 2025,Shape 2025 and Vivid 2025
Core Committee Member, ProCode Club
Full-Stack Web Development Certification, Coursera
Fluent in English,Tamil and Hindi
Secured sponsorship for Instincts 25, the cultural fest at SSN College of Engineering
Organized extra curricular event under Craciva club