JANANI ASOKAN

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LinkedIn | Portfolio | GitHub | Medium | HashNode | LeetCode

EDUCATION

Vellore Institute of Technology
Integrated MTech Computer Science and Engineering:
CGPA:8.31/10

Vellore, Tamil Nadu
Expected *Graduation:* ***2026***

XII KSR school, Madhanur

X KSR school, Madhanur

Percentage 92.5%
Percentage 93.4%

TECHNICAL SKILLS

Languages: C/C++, TypeScript, JavaScript, Python, Java, HTML, CSS, Tailwind CSS
Frameworks: NextJS, ReactJS, ExpressJS, NodeJS, MongoDB, CoughDB, SQL
Developer Tools: Git, Docker, GitHub, Kubernetes, Ansible, Terraform, Amazon AWS, VS Code, Visual Studio, Figma
Core Skills: Data Structures and Algorithms, Problem Solving, Operating Systems, Computer Networks, Object Oriented Programming, Rest API, Linux, Attention To Detail and Problem Solving Skills.

EXPERIENCE

Drone Start Up Company | UI/UX DESIGN and Frontend   May 2024 – Present
- Developed a **UI/UX Design** for whole website
- Utilized the **MERN** stack (MongoDB, Express.js, React, Node.js) to build robust **front-end** interfaces and seamless **back-end API integration**, contributing to a scalable and maintainable product architecture.
- Collaborated in a cross-functional team, taking **ownership** of key projects and delivering high-impact features, directly contributing to product development and market success.

PERSONAL PROJECTS

ScrapeTalk: Chatbot Conversation with Web Scraped Insights | [GitHub]   August 2024
Langchain, OpenAI, Streamlit UI, BeautifulSoup4, WebBaseloader, chromaDB
- Developed an AI chatbot with real time-scraped data, enhancing conversational experiences and saving users up to 50% time compared to manual searches across **1 billion+ websites**.
- Implemented real-time data scraping from **1000+ URLs** using BeautifulSoup4 and **WebBaseLoader**, applied RAG Model Methodology and **LangChain** for advanced NLP, and integrated OpenAI API for **90% accurate** AI-driven responses.
- Transformed complex data into vector embeddings with **ChromaDB**, reducing data retrieval time by **40%** and ensuring efficient storage.

WeatherApp: Live API | ThreeJS, Tailwind CSS | **[GitHub]** **[Try it Here]**   September 2024
- Built a Weather App with live **3d Earth and weather information** around the globe. utilizing the **OpenWeatherMap API** to deliver **real-time weather updates.**
- Incorporated a user-friendly **city, country**-specific search function, providing comprehensive weather data like temperature, humidity, date, timing, wind speed, and clear weather icons for an enhanced user experience.

Sarpanch: Multipurpose Discord Bot | *Discord.js V14* | **[GitHub]**   July 2024
- Developed **"Sarpanch: Multipurpose Discord Bot"** using **Discord.js v14**, incorporating fun games, a currency system, and slash command support, with over 10,000 users and largest server having 1,900+ users.
- Implemented **rate limits** and collaborated with team to troubleshoot and resolve bugs, **enhancing security and stability** by 30%.
- Maintained and updated the bot using JavaScript, Express.js, Node.js, and Discord.js v14, ensuring **compatibility with Discord API** changes and user feedback.

ACHIEVEMENTS

- Participated in **ISRO Hackathon** competed with IIT People where I need to annotate **30k Moon images** and should
come up with 90% accuracy using YOLO V8 [Link].
- More than **300 People** are using this 21MIS portal website [Link].
- Research Paper on Autonomous Vehicle Detection using Federated Learning under Review.

LANGUAGES

Basic French, Intermediate Chinese, British and American English, Tamil and Telugu.

CERTIFICATIONS

- **Postman API** (**Postman**) **[Link]**
- **The complete 2024 Web Development Bootcamp [Link]**
- **Artificial Intelligence Accenture [Link]**