HARI S
Full Stack AI Developer

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EXPERIENCE

Punchbiz

Full Stack AI Developer *Jul 2024 – Dec 2024*

- Developed a web-based enterprise billing system using **React** for the frontend**, Node.js** for the backend, and **PostgreSQL** for database management, ensuring a seamless and user-friendly interface for accounting operations.
- Lead the development of an enterprise billing system, **reducing manual data entry by 40%** through OCR integration.
- **Collaborated with a cross-functional team** to deliver a scalable, AI-powered billing solution, streamlining financial processes and improving operational efficiency.

Centillion Labs

Full Stack Developer *Feb 2024 – Apr 2024*

- Designed and developed the frontend of Aristotle AI chatbot using **React**, ensuring a clean and user-friendly interface for seamless interactions.
- Integrated the chatbot with the backend using **Python**, ensuring smooth communication between the frontend and AI models for real-time functionality.
- Optimized AI models, **reducing response time by 30%** and **improving chatbot accuracy by 20%**. Ensured efficient backend integration and scalability for a high-performance AI-powered chatbot.

PROJECTS

Task Management and Analytics Platform

Github:// Task_Assignment_WebApp

Developed a task management platform for organizations, enabling employees and managers to assign, track, and manage tasks efficiently. Integrated data analytics to visualize task progress and performance metrics, enhancing productivity and decision-making. Built using **React, Node.js, PostgreSQL** and **MongoDB**.

Crater and Boulder Detection using Satellite Image

Github:// Craters_And_Boulders_Detection

Developed a solution for detecting craters and boulders on the Moon using Chandrayaan-2 satellite images as part of the Smart India Hackathon. Utilized **image processing and machine learning techniques** like **OpenCV** to analyze lunar terrain, **achieving 90% accuracy** in geological feature identification.

Document Chat AI – AI-Powered PDF Chatbot

Github:// Document-Chat-AI

Developed a **RAG** based AI chatbot for PDF-based Q&A. Integrated **BM25 + Vector Search**, boosting retrieval accuracy. Enhanced Self-Correction **(+40% accuracy)** and Adaptive Memory for multi-turn conversations. Built with **LangChain**, ChromaDB, OpenAI LLMs, and Streamlit, ensuring an interactive and efficient user experience.

SUMMARY

Passionate about building and deploying **AI-based solutions** that solves real-world challenges and improve user experiences. Skilled in both **AI development** and **MERN stack**.

SOFT SKILLS

- Problem Solving
- Communication
- Teamwork

TECHNICAL SKILLS

Languages: Java, C, Python
Web & App Development: React.js, React Native, JavaScript, Tailwind CSS, Node.js, Express.js, Flask, RESTful APIs, JWT, OAuth.
Databases: MongoDB, PostgreSQL, SQL.
AI ML: TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, OpenCV, YOLO, LangChain, Gen AI, FastAPI, Streamlit.
Cloud: AWS, Firebase.
Tools: GitHub, Figma, Power BI.

EDUCATION

- **Kongu Engineering College – (**2022 – present**)** B. Tech Artificial Intelligence and Machine Learning – **CGPA 8.19**
- **Geethanjali AISSC** (12th) **–** 2022 **–** 68.6%
- **Agastya Academy** (10th) **–** 2020 **–** 77.8%

CO-CURRICULARS & CERTIFICATIONS

- **Won 3rd Prize** in 30-Hour Hackathon – Live Transport Tracking System (2024).
- MongoDB **Associate Developer** Certification (2025).
- **Published Research Paper** on Fake Social Media Detection and Reporting (IEEE, 2024).
- Participated in Smart India Hackathon (SIH) – **Top 30** in Fake Social Media Detection and Reporting (2023).