

IMADABATHUNI HARSHA VENKAT

WEB DEVELOPER | AIML ENGINEER



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ABOUT ME

Passionate and results-driven AIML Engineer & Web Developer with hands-on experience in developing AI-powered applications, fine-tuning LLM models, and building scalable web solutions. Skilled in Python, TensorFlow, LangChain, PEFT, LoRA, Flask, JavaScript, Node.js, and MongoDB, with a strong foundation in machine learning, deep learning, and intelligent automation.

I actively work on projects that integrate AI agents, model fine-tuning, and full-stack development, transforming real-world problems into working solutions. Known for fast learning, problem-solving, and continuous innovation, I am seeking opportunities where I can contribute to AI development, model deployment, and modern web engineering while continuing to grow professionally.

EDUCATION

DHANEKULA INSTITUTE OF
ENGINEERING AND TECHNOLOGY
(BACHELOR OF TECHNOLOGY)

CSE(AIML)-7.11 CGPA (scale of 10)

2022 - 2026

IGNITE JUNIOR COLLEGE,
INTERMEDIATE EDUCATION

MPC - 68%

2020 - 2022

SRI CHAITANYA SCHOOL (SSC)

MPC - 98%

2010 - 2020

SKILL

- Python, JavaScript, HTML, CSS
- Scikit-learn, TensorFlow
- Flask, React.js, APIs, SQLite, Bootstrap
- GitHub
- Jupyter Notebook, VSCode, Qiskit
- Digital Marketing
- LoRA / PEFT - Model Fine-Tuning
- Modal, Visual Studio Code

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Problem-Solving
- Critical Thinking

PROJECTS

Tensora AI - LLaMA Model Fine-Tuning

AUGUST 2025 - PRESENT

- Built Tensora AI, a universal execution framework where an LLM autonomously plans and executes tasks across web apps and external tools - without hard-coded rules.
- Designed a multi-agent architecture using LangGraph + MCP + Playwright automation, enabling LLM-driven interactions with browsers, APIs, Gmail, Calendar, LinkedIn, and more.
- Fine-tuned LLaMA on custom domain data for improved reasoning and tool selection, deployed using Docker + Vercel, and published trained weights to Hugging Face for public inference.
- Tech: LLaMA, LangGraph, MCP, Playwright, LoRA/PEFT, Docker, Vercel, Zapier, Hugging Face

Driver Distraction Alert System - ADAS Module (APSRTC Collaboration)

- Real-time driver monitoring system for APSRTC detecting drowsiness, distraction, gaze deviation & camera obstruction.
- Used YOLOv12 + EAR + MediaPipe on Jetson Nano for low-latency embedded inference inside buses.
- Tech: YOLOv12, MediaPipe, OpenCV, Jetson Nano, Python

Smart Parking Space Identification System - IIT Hackathon

- Parking automation model detecting free vs occupied slots from live CCTV feed.
- YOLO + contour-mapping + slot-tracking algorithm to update occupancy under motion & occlusion.
- Tech: YOLO, OpenCV, NumPy, Python

DHAN FLY HIGH CLUB - Web Application Development 2 Months

- Built and deployed a responsive full-stack website to showcase drone research and innovation at Dhanekula Institute of Engineering & Technology.
- Implemented dynamic UI, WebP image optimization, and AOS animations to improve performance and interactivity.
- Tech: HTML, CSS, JavaScript, Bootstrap, jQuery, Node.js, Express, MongoDB

CMS - Infosys Springboard (Virtual Internship - 3 Months)

- Completed AI, Machine Learning, and Web Development internship based on real-world industry use cases.
- Built a Car Data Wrapper API using Flask, integrating Strapi API with SQLite for offline + online synced data retrieval.
- Implemented optimized request routing, logging, and CORS for stable application performance.
- Skills Applied:** Flask, SQLite, Strapi API, REST APIs, Debugging, Deployment

ACHIEVEMENTS & HACKATHONS

🏆 1ST PRIZE - NATIONAL LEVEL HACKATHON (CODESPARK INDIA 2025)

- LED TEAM NEURONODES AND DEVELOPED PROMPT-DRIVEN AI (PD-AI) INTEGRATING GEMINI, GPT, AND GROQ MODELS TO AUTOMATE EMAIL, CALENDAR, & LINKEDIN TASKS VIA NATURAL LANGUAGE COMMANDS.
- AWARDED BEST INNOVATION AND A BRAND-NEW LAPTOP

🏆 1ST PLACE AMONG 100 PROJECTS - SMART MIRROR INNOVATION

- DEVELOPED A FUNCTIONAL SMART MIRROR USING AI + IOT, OFFERING LIVE INFORMATION AND INTERACTION FEATURES.
- AWARDED BEST INNOVATION AND A 5000 CASH PRIZE