Hardik Chhallani

(B.Tech CSE 2026, VIT, Vellore)

+91 89568 43151 | hardikchhallani04@gmail.com | LinkedIn | GitHub

Education

Vellore Institute of Technology, Vellore	2022-2026
Bachelor of Technology – BTech, Computer Science	CGPA: 9.03 / 10.0
St. Paul Jr. College, Nagpur	2020-2022
HSC – 12th	Grade: 87.17%
Yashvantrao Chavan English School, Mangrulpir	2020
SSC – 10th	Grade: 98%

Experience

Orbi Health (Eka.Care) Private Limited *May 2025 - Present*

- Developed **MCP** server and LLMs with clinical datasets including SNOMED, ICT, and pharmacology searches.
- Built chatbot integrated with **MCP tools** for doctor availability, appointment scheduling, reminders, real-time calendars, automated confirmations, cancellations, and rescheduling.
- Implemented source authentication-based **web scraping** to collect comprehensive medical datasets across multiple Indian languages.

Aeronautical Development Agency (ADA) *June 2024 - July 2024*

- Developed and deployed an internal **Wiki software** to streamline knowledge sharing for **200+ engineers**, improving documentation efficiency by **30%**.
- Setting up of and Fine-tuning **Large Language Model** (Llama3) to support internal applications.
- Utilized **CATIA V5** to **analyze fighter jet structures**, contributing to flight simulation research.

Projects

Dravya - AI-Driven Personalized Generic Medicine Guide | *Eka.Care's MCP server integration, LLM (Llama 3)*

- Developed a healthcare platform providing cost-effective alternatives to branded medicines by leveraging Eka.Care's **MCP server** for contextual recommendations and clinical data context.
- Empowered users with access to generic medicine options, reducing costs & improving accessibility.
- Utilized advanced APIs and **data integration** techniques for seamless functionality

LLMArche – GPT-2 like LLM architecture from scratch | *Tokenization, Self-attention, Fine-tuning*

- Developed a GPT-2 inspired language model from scratch, implementing tokenization strategies and transformer-based multihead-attention mechanisms.
- Optimized model training through fine-tuning on specific datasets, enhancing contextual accuracy and generation quality for the Indian laws dataset (Bhartiya Nyaya Sanhita).
- Integrated LLMArche into a user-friendly website, enabling lawyers to easily query, interpret, and reference Indian legal provisions efficiently.

Skills

Programming Languages: Python, SQL, C/C++, Java, JavaScript.
Tools & Technologies: Flask, FastAPI, OpenCV, MediaPipe, CATIA V5, AWS Cloud.
Concepts: Object-Oriented Programming, Data Structures & Algorithms, Cloud Computing, Data Analysis.
Core Subjects: Computer Networks, Operating System, Database Management System, Software Engineering.

Positions of Responsibility

Outreach Head | Advertising and Marketing Club *Jan 2024 – Dec 2024*

As **Outreach Head** at the Advertising and Marketing Club, I **spearheaded** the planning and execution of both online and offline events, including securing high-profile speakers through strategic outreach via email and LinkedIn. I **developed** and **maintained** professional relationships to enhance event quality and **coordinated** with external stakeholders to meet club objectives. I also **crafted** engaging promotional materials and **led** a team to ensure successful event management and member engagement.