VINIT CHAWDA

Mumbai, Maharashtra, India

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Profile Summary

B.Tech graduate in Artificial Intelligence & Machine Learning with strong experience in developing **AI-driven applications, backend systems, and multi-agent architectures**. Skilled in Python, FastAPI, and modern AI frameworks, with a proven ability to combine **problem-solving and creativity** to deliver impactful solutions. Passionate about applying AI in real-world projects and contributing to open-source initiatives.

Technical Skills

Languages/Frameworks: Python, OpenCV, FastAPI, NumPy, Pandas
AI/ML: Multi-Agent Systems, Deep Learning, Scikit- Learn, Conversational AI, LangGraph, HuggingFace
Tools: Git, PostgresSQL, SQL, MongoDB, Redis, Drools, Linux, HubSpot, Apollo, Docker

Experience

WEQ Technologies
AI Engineer Intern
Apr 2025 – Jul 2025
Mumbai, Maharashtra

- Built an **AI-powered multi-agent Sales Assistant** with **Redis-backed memory** for scalable lead handling on WhatsApp.
- Developed **Drools based rule engine with Python Fast-API,** enabling dynamic lead scoring and CRM integration.
- Automated workflows with **HubSpot and Apollo**, reducing manual effort and boosting efficiency.

The Mould Story
AI Intern
Sep 2024 – Feb 2025
Mumbai, Maharashtra

- Researched and **implemented AI solutions** for Shopify, enhancing sales & customer engagement.
- Designed **chatbots and process automation** to optimize conversions.

Bhagwati Consultancy
Backend Developer Intern
Jun 2023 – Aug 2023
Mumbai, Maharashtra

- Led development of a **bilingual KYC portal**, managing testing and deployment.
- Built APIs with **Flask & Selenium** for data scraping; developed the company website on WordPress.

Projects

Huberman Health AI Assistant | *FastAPI, Streamlit, FAISS, Sentence Transformers, Docker, Jenkins*

- **Developed end-to-end in just 6 hours using vibe coding**, showcasing rapid prototyping and execution skills.
- **Semantic search and AI-powered recommendation system** processing **7,700+ transcript segments** with FAISS vector search and BERT embeddings.
- Delivered **personalized health insights** from Huberman Lab content, integrating **OpenAI/OpenRouter**, Prometheus monitoring, and CI/CD with Jenkins.

DocInsight Engine | *LangChain, ChromaDB*

- **AI-powered document analysis tool** achieving **90% contextual accuracy** for business intelligence.
- Supports business intelligence use cases, providing actionable insights from structured/unstructured data.

AttendEase | *OpenCV, Face Recognition*

- **Face-recognition based attendance system** with **95% accuracy**, automating reports and saving **180+ manual hours annually**.
- Integrated with automated Excel sheet generation, demonstrating expertise in computer vision and automation.

Achievements

Open Source Maintainer (TCET ERP System): Led a team building an ERP for 3,000+ students & 100+ faculty, improving efficiency and data management.
Creative Lead (SUPER-AI Club): Organized 12+ AI/ML workshops & coding contests, fostering innovation & collaboration.
Certified AI Engineer: Completed certifications in Python, Data Structures, and Applied AI.

Education

Thakur College of Engineering and Technology
Bachelor of Technology in Artificial Intelligence & Machine Learning | *GPA: 9.3*
Dec 2021 – May 2025
Mumbai, Maharashtra

Mithibai College
Higher Secondary Certificate (HSC) - Science | *Percentage: 88%*
Jun 2019 – Mar 2021
Mumbai, Maharashtra