

EDUCATION

Sinhgad College of Engineering, Pune, MH	2017 - 2021
B. E. Information Technology	CGPA: 9.5/10

WORK EXPERIENCE

Python & Generative AI Engineer (Viamagus, Bengaluru - Remote)	July. 2024 – Present
<ul style="list-style-type: none"><li>Led the development of an <b>intelligent document processing system</b> integrating <b>Vision LLMs</b> within an <b>agentic framework</b>; achieved <b>2x accuracy improvements</b> over traditional OCR by employing context-aware analysis, iterative data validation, and human-in-the-loop integration, reducing turnaround times by 80%.</li><li>Architected and built a scalable <b>production level multi-agent AI system</b>, incorporating task delegation (sub-agents), diverse tool utilization (<b>MCPs</b>), and persistent <b>agentic memory</b>, enabling autonomous execution of <b>complex workflows</b>.</li><li><b>Significantly improved AI workflow</b>: Restructured the intent classification system, leading to a <b>50% increase in chatbot accuracy</b> and a <b>15% reduction in response times</b>.</li><li><b>Fine-tuned Vision LLM</b> model using UnslothAI, achieving <b>20% accuracy improvement</b> through advanced training techniques.</li><li><b>Developed robust RAG Evaluation Framework</b>: Implemented RAGAS and other metrics, resulting in a <b>30% increase in retrieval efficiency</b> and improved model performance.</li><li>Engineered a <b>contract analysis feature</b> with automated comment generation, reducing manual legal review time by <b>20%</b>.</li><li>Deployed <b>open-source LLM models</b> (Hugging Face) on local servers with <b>FastAPI</b>, implementing efficient inference pipelines.</li><li>Effectively <b>communicated technical capabilities</b> and business value to clients through <b>technical demos</b>.</li><li>Conducted in-depth R&amp;D on <b>7+ advanced Complex RAG models</b> to select the optimal architecture for the agentic framework.</li><li>Contributed to team expansion by <b>conducting 8 technical interviews</b> for Gen AI specific roles.</li></ul>	
Co-founder (ImmuniBoost Homemade Dry Fruit Ladoos)	Dec. 2023 – Feb. 2024
<ul style="list-style-type: none"><li>Founded an online venture demonstrating: Digital entrepreneurship skills, e-commerce platform integration, <b>business strategy</b> and market understanding</li></ul>	
Business Associate (Kankariya Pashukhadya, Patoda, MH)	Apr. 2023 – Apr. 2024
<ul style="list-style-type: none"><li>Developed strong communication, <b>leadership</b> and client-handling skills along with decision-making &amp; business acumen.</li></ul>	
Trader (Stock Markets - Equity, F&O)	Jun. 2020 – Apr. 2023

PROJECTS

Genius LangGraph - Advanced AI Research Agent [LangGraph, LangChain, Pinecone, SerpAPI]
<ul style="list-style-type: none"><li>Built an agent that iteratively uses multiple tools (web search, academic databases, arXiv) to gather and synthesize information on complex topics, compounding findings to generate comprehensive reports with minimal human input.</li></ul>
Langchain Agents - Dynamic Information Retrieval [Langchain, RAG, LLMs, FAISS]
<ul style="list-style-type: none"><li>Implemented Langchain agents using OpenAI API, integrating wiki and google search for dynamic information retrieval</li><li>Created custom retrieval tools and utilized vector databases to implement Retrieval-Augmented Generation (RAG)</li></ul>
Goodreads Book Assistant Telegram Bot [Langchain, LLMs, Web Scraping, API, SQL]
<ul style="list-style-type: none"><li>Created a bot that scrapes data from Goodreads, allowing book searches and delivering daily quotes through Telegram API.</li><li>Stored user-specific book lists in a database, integrated LLM using Langchain for personalized book recommendations.</li></ul>

CERTIFICATIONS, SKILLS

Certifications: Almbetter Full Stack Data Science
Gen AI: Langchain, LangGraph, <b>Agents</b> , LLMs, Vision LLMs (VLMs), <b>RAG</b> , Fine-tuning (LoRA, UnslothAI), VectorDB (Qdrant, Pinecone, FAISS), RAG Eval (RAGAS), NLP
Programming Languages: Python, SQL, PostgreSQL, C, html/css
Tools & Frameworks: FastAPI, <b>MCPs</b> , Redis, <b>Git</b> , Streamlit, Docker, Hugging Face Transformers, UnslothAI
Other: Prompt Engineering, <b>Problem Solving</b> , Web Scraping, Data Wrangling, <b>Complex System Design</b> , Model Deployment

INTERESTS

Interests: solo traveling; reading-fiction, thriller; stargazing; tv show- the good doctor