

Vamsi Krishna Pullabhotla

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Education

Vellore Institute of Technology

B.Tech in Computer Science and Engineering (CGPA: 9.28 / 10)

Chennai, India

2023 – 2027

Narayana Junior College

Class XII (Percentage: 97.8%)

Vijayawada, India

2021 – 2023

Relevant Coursework

- Data Structures & Algorithms
- Database Management Systems
- Machine Learning
- Operating Systems
- Computer Networks
- Web Development

Projects

PersonaMirror | AI-Powered Lead Profiling & Outreach Tool

[GitHub]

- Built a Streamlit app that converts Twitter and LinkedIn data into AI-generated personas and cold outreach drafts.
- Integrated Gemini 1.5 Flash and Groq LLaMA3 for persona modeling and simulated conversation testing.
- Implemented cosine similarity-based lead scoring and YAML persona exports for CRM integration.
- Designed a full pipeline from tweet scraping to email generation and chatbot testing with a multi-tab UI.

Eleventh Hour | AI-Powered Code Documentation Tool

[GitHub]

- Built a Flask web app that auto-generates professional project reports by analyzing uploaded code using Google Gemini AI.
- Implemented AI-driven summaries, visual flowcharts (Mermaid CLI), and Word document generation with title page, abstract, and results.
- Handled multi-language file upload (.py, .js, .java, etc.), integrated a dark/light UI, and added PDF export functionality.

NPCraft | AI-Powered NPC Generation Platform

[GitHub]

- Built an AI platform that generates dynamic NPCs with contextual dialogue, adaptive personalities, and real-time voice synthesis.
- Integrated FastAPI, LangChain, Groq LLaMA3, and OpenAI TTS for low-latency character generation and natural speech output.
- Developed a React + Three.js interface with interactive 3D models and a Godot demo for seamless game engine integration.

OushadhiChain | Blockchain + IPFS Traceability System

[GitHub]

- Architected a hybrid Web3 traceability platform using Next.js, JWT-based RBAC, and event-sourced batch lifecycle modeling for Ayurvedic herb supply chains.
- Integrated IPFS for decentralized metadata storage and deployed Solidity smart contracts on Ethereum Sepolia to anchor batch provenance immutably.
- Designed a scalable marketplace-ready system linking verified herb batches to downstream orders, enabling cryptographically verifiable supply-chain transparency.

Skills

Languages

C++, Java, Python, JavaScript

Web & Frontend

React.js, Tailwind, HTML, CSS, Streamlit

Backend & APIs

FastAPI, Flask, SQL, Supabase

ML & AI

TensorFlow, PyTorch, scikit-learn, LangChain

Tools & Platforms

Git, GitHub, Postman, Linux

Certifications

- GEN AI Using IBM Watsonx — Issued by IBM Career Education, June 2025