

Venkata Vinay Vijjapu

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EDUCATION

- GMR institute of technology** Rajam, India
Bachelor of Technology - Computer Science and Engineering; GPA: 8.79 July 2020 - June 2024
Courses: Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Programming with Python, NLP

SKILLS SUMMARY

- Programming:** C, C++, Python, SQL, MYSQL
- Frameworks:** Langchain, llama-index, Langgraph, langsmith, Flask, streamlit, FastAPI
- Generative AI services:** RAG pipeline, prompt Engineering, AI agents, Agentic AI
- LLM Models:** GPT, Gemini, llama, mistral, gemma, DALL-E-2, GPT-Image-1
- Technologies:** Machine Learning, Deep Learining, NLP, LLM, GenAI, Google Cloud platform

EXPERIENCE

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| Deloitte | Hyderabad |
| • <i>Gen AI engineer</i> | <i>Sept 2025 - Present</i> |
| ◦ POC Team: part of developing initial client ideas to real time and demonstrate with them. | |
| Cognizant Technology solutions | Hyderabad |
| • <i>Programmer Analyst Trainee</i> | <i>Nov 2024 - Sept 2025</i> |
| ◦ Training: Trained on GCP and Hadoop concepts, along with Python, SQL. | |
| Turing | Remote |
| • <i>LLM Trainer - Freelance</i> | <i>Oct 2024 - Feb 2025</i> |
| ◦ RLHF: Worked with the Meta and Microsoft client on the RLHF project to help train their model by testing it, identifying errors, and comparing its performance with other models. | |
| Future Smart AI | Remote |
| • <i>Data Science intern</i> | <i>Feb 2024 - May 2024</i> |
| ◦ AI Agents: Developed AI agents to retrieve conversations from linkedin, gmail and to add todo tasks. | |
| ◦ Chatbots: Developed various chatbots to connect to database and create sql queries using LLm based on user Natural Query, email bot. | |
| ◦ LinkedIn Profile checker: This application aims to analyze the candature based on resume and linkedin to know if he is working anywhere. | |

PROJECTS

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|---|-------------|
| • Blog Ai generator | <i>Link</i> |
| ◦ Developed a CrewAI application that automates blog writing by 85%, converting user queries into structured, fact-checked articles with 95% relevancy.(Tech: CrewAI, Gemini, Python, prompting) | |
| • Multi-AI agent | <i>Link</i> |
| ◦ Built a multi-agent system where autonomous agents interpret user queries and select the appropriate tool with a 95% success rate.(Tech: Langchain, groq, openai, fastapi, uvicorn, python, prompting, Retrieval Augumented Generation, vector databases, Databases.) | |
| • Language Translator with human native Voice Tone | <i>Link</i> |
| ◦ Engineered a voice-cloning translator that mimics the speaker's tone and cadence, leveraging OpenAI Whisper, Google Translate, and Coqui-TTS.(Tech: Python, Openai, Coque-tts, google-translator.) | |
| • Natural Language to SQL BOT | <i>Link</i> |
| ◦ Built a natural language interface for databases, enabling staff to retrieve data without writing code. (Tech: Python, GPT-4, langchain, JSON, prompting, SQL,langsmith.) | |

PUBLICATIONS

- Conference: Document QA - Leveraging LayoutLMv3 for Next-Level QA:** Published the conference on layoutlmv3 where the model has been finetuned on DocVQA with 79% of accuracy, this conference also highlights to compare the working of layoutlmv2 and layoutlmv3.

HONORS AND AWARDS

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| • AI-Based Tool to Rank Top 5 Institutes (DR708) (AICTE) — Team Lead | National Level Hackathon |
| ◦ <i>Smart India Hackathon 2022</i> | <i>36-Hour Hackathon</i> |
| Solution to rank colleges based on AISCHE data where it had more than 50000 thousand colleges where the data is in unstructured format.(Python scripting, API handling, JSON, Web scripting) | |
| • URL Spam Detection — Team Lead | College Level Hackathon |
| ◦ <i>Deep Datathon 2.0</i> | <i>12 hours hackathon</i> |
| Trained a Naive Bayes model on a CSV dataset with 100,000+ URL records, using TF-IDF vectorizer to process URLs, achieving 94% accuracy and securing 3rd place among 50 teams. (Python, NLP, machine learning, EDA) | |