# Venkata Vinay Vijjapu

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## EDUCATION

- **GMR institute of technogy** — 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

- **Deloitte** — Hyderabad
  *Gen AI engineer* — *Sept 2025 - Present*

- **Cognizant Technology solutions** — Hyderabad
  *Programmer Analyst Trainee* — *Nov 2024 - Sept 2025*
  ○ **Training**: Trained on GCP and Hadoop concepts, along with Python, SQL.

- **Future Smart AI** — Remote
  *Data Science intern* — *Feb 2024 - May 2024*
  ○ **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.
  ○ **Linkednin Profile checker**: This application aims to analyze the candature based on resume and linkedin to know if he is working anywhere.

- **Teckybot** — Visakhapatnam
  *AI developer intern* — *Nov 2023 - Feb 2024*
  ○ **LMS platform**: Developed AI projects for their LMS platform for the grades they are going to teach covering easy medium and hard levels in it.

- **Neuraza AI** — Remote
  *AI intern* — *July 2023 - Aug 2023*
  ○ **Document Q&A**: Question and Answering system on Documents using layoutlmv3.

## PROJECTS

- **Blog Ai generator** — *Link*
  ○ 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** — *Link*
  ○ 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, Retrival Augmented Generation, vector databases, Databases.)

- **Language Translator with human native Voice Tone** — *Link*
  ○ 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** — *Link*
  ○ 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

- **AI-Based Tool to Rank Top 5 Institutes (DR708) (AICTE) — Team Lead** — National Level Hackathon
  *Smart India Hackathon 2022* — *36-Hour Hackathon*
  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
  *Deep Datathon 2.0* — *12 hours hackathon*
  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)