Vigneshkumar D

Software Engineer

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SOCIAL MEDIA

Portfolio   **LinkedIn**   **LeetCode**   **GitHub**

ABOUT

As an engineer with a solid background in **Python**, Machine Learning, Natural Language Processing (**NLP**), and Large Language Models. Experienced in creating end-to-end **AI** solutions, including **data** pretreatment, feature engineering, model training, and deployment. Experienced in **RAG** applications, chatbot **fine-tuning** with LangChain and LlamaIndex, and using Ollama to build local **AI models**. I am eager to utilize my knowledge and contribute to novel AI solutions within your firm, hence promoting efficiency, automation, and intelligent decision-making.

WORK EXPERIENCE

Avineon India Private Limited - Hyderabad

Software Engineer Trainee (2024 - Present)

Currently interning as a Software Engineer Trainee, gaining hands-on experience in software development and real-world project implementation. I'm driven by continuous learning and committed to building efficient, scalable solutions while enhancing my technical and problem-solving skills.

PROJECTS

SQL Chatbot Using LLM   **Link**

The SQL Database Chatbot is a user-friendly AI assistant designed to interact with a SQL Server database. It leverages the power of large language models (LLMs) and embeddings to understand natural language queries, generate SQL queries, execute them, and provide clear and concise answers based on the data available in the database

PDF Chatbot Using LLM   **Link**

PDF Chatbot with Ollama using Streamlit, allowing users to upload PDFs, extract content, and interact via a chatbot with a structured chat history. Ideal for analyzing reports, summarizing documents, and answering queries, this AI-powered tool enhances productivity with seamless document processing and conversational AI.

SKILLS

- Python (NumPy, Pandas, Scikit-Learn),
- Machine Learning (**ML**),
- Generative AI (**Gen AI**)
- Natural Language Processing (**NLP**),
- Large Language Model (**LLM**),
- Fine Tuning
- **RAG** Application
- **SQL** Server,
- **Data** Analysis(Basics of Dashboard),
- Web Development

EDUCATIONAL HISTORY

Bachelor of Engineering (2020 - 2024) - 88%

Department of Computer Science and Engineering.

Adhiparasakthi Engineering College, Chengalpattu.

CERTIFICATIONS

01 Build GANs and Diffusion Models with TensorFlow and PyTorch

02 Open source LLMs: Unsensored and secure AI locally

03 Introduction to Natural Language Processing

04 Introduction to Generative AI

C1   **C2**   **C3**   **C4**