DRAVIT V

Phone: +91 73055 97392
LinkedIn: https://www.linkedin.com/in/dravit/

Email: dravit162@gmail.com
GitHub: https://github.com/codebydravit

PROFESSIONAL SUMMARY

Computer Science graduate and AI Developer with 1+ year of hands-on experience in AI and GenAI. Specialized in building scalable RAG-based applications, chatbot systems, and cloud-integrated microservices using Python, FastAPI, and modern web technologies. Proven track record in client collaboration, performance optimization, and delivering production-ready AI solutions.

SKILLS

- **Programming Languages:** Python, JavaScript
- **Frontend:** React.js, HTML, CSS, Streamlit
- **Backend:** FastAPI, Node.js, REST APIs
- **Databases:** SQL
- **Cloud & Hosting:** Azure
- **Version Control:** Git, GitHub
- **Methodologies:** Agile, Scrum
- **Generative AI:** OpenAI, LLaMA, Groq, Voice Models, Ollama, Sentence Transformers, LLM-based Retrieval-Augmented Generation (RAG), Vector Databases (Pinecone, Chroma, FAISS, Qdrant)
- **Soft Skills:** Teamwork, Problem-Solving, Time Management

PROJECTS

Voice Up-to-Date Chat AI Assistant – Real-Time Voice Chatbot with Web-Integrated LLM
Tech Stack: React (Vite), FastAPI, Groq (Whisper + LLaMA 3), ElevenLabs, SerpAPI, LangChain, Python
• Built a multilingual voice chatbot with speech-to-text, web search, LLM, and voice synthesis.
• Used React + Vite for audio capture/playback; FastAPI backend with Groq, SerpAPI, LLaMA 3, and ElevenLabs.
• Enabled real-time, natural conversations with a scalable, modular backend setup.

ChatWithDravit – AI-Powered Portfolio Chatbot with RAG
Tech Stack: FastAPI, React.js, LangChain, OpenAI GPT-4o, Pinecone
• Designed a chatbot that answers questions about my work using RAG and LangChain pipelines.
• Integrated Pinecone vector search and chat memory for context-aware, multi-turn conversations.
• Acts as a dynamic, interactive portfolio assistant replacing static resumes.

AI-Powered WhatsApp Sales Assistant – Bulk Messaging Automation
Tech Stack: FastAPI, React.js, Meta for Developers (WhatsApp API), Python, Excel
• Developed a WhatsApp chatbot for automating sales messaging with dynamic templates.
• Built a web form for client input and logged message statuses in Excel for traceability.
• Helped streamline outreach and reduce manual follow-ups.

Denta SQL Chatbot – Intelligent Assistant for Dental Clinics
Tech Stack: FastAPI, SQL Server, NLP, React.js
• Built a chatbot that understands natural language and interacts with SQL to manage appointments, records, and follow-ups.
• Enabled conversational querying, updating, and scheduling for clinic workflows.
• Improved patient engagement and minimized manual data entry.

WORK EXPERIENCE

ZGROW SOLUTIONS — AI Developer
Chennai, India | May 2024 – Present

- Developed AI-driven web applications and API solutions using FastAPI, React.js, and OpenAI models.

- Designed and implemented Retrieval-Augmented Generation (RAG) pipelines using Pinecone for efficient document retrieval.

- Built and optimized SQL databases to support AI-based data processing and chatbot workflows.

- Created and optimized RESTful APIs for real-time LLM-powered responses.

- Integrated cloud services such as Azure for scalable AI deployment and performance tuning.

- Improved chatbot response time using prompt engineering and efficient vector indexing techniques.

Vincilium – AI Intern
Chennai, India | February 2024 – February 2024

- Built an interactive PDF query chatbot using sentence transformers and FAISS.

- Implemented semantic search to reduce manual information retrieval.

- Explored open-source LLMs like LLaMA 3.

EDUCATION

- **Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College**
  Bachelor of Engineering (B.E), Computer Science and Engineering (2020 – 2024)

- **Vijayanta Model Higher Secondary School**
  Higher Secondary Certificate (2019 – 2020)

- **Kendriya Vidyalaya HVF, Avadi**
  Secondary School Certificate (2017 – 2018)

LANGUAGES

- Tamil – Native

- Hindi – Professional Working

- English – Full Professional

D.O.B: *16/02/2003*   ***Location:*** *Chennai,India*