

Daslaniya Tanvi

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EDUCATION

P. D. Pandya Institute of Technology

Bachelor of Computer Applications

Ahmedabad, Gujarat, India

Nov 2021 - June 2023

Indira Gandhi National Open University (IGNOU)

Master's Degree in Computer Applications

India

July 2024 - Ongoing

Shree V.K Vidhyalay

12th Commerce

Ahmedabad, Gujarat, India

March 2020

Shree Arpan Vidhya Sankul

Completed 10th with 75%

Ahmedabad, Gujarat, India

March 2018

WORK EXPERIENCE

Python Developer

Tridhya Tech

Nov 2024 - Present

Ahmedabad, Gujarat, India

- Implemented Google Cloud OCR and Chirp for advanced features.
- Explored Streamlit for machine learning frontends.
- Integrated FastAPI SMTP mailing in real-world projects.
- Developed a Django application from scratch.
- Developed a Django based AI Chatbot using Langchain,FAISS,Vector Database and LLM(Gemini)

PROJECTS

SecureChatAI | Python, Django, OpenCV, Dlib, Face Recognition, NLP, Scikit-learn, JWT, PostgreSQL, Redis

- Built a real-time chat system with Django Channels, enabling one-on-one & group messaging with read receipts and timestamps.
- Designed RESTful APIs for face encoding, user verification, and fraud detection.
- Secured APIs with JWT authentication and role-based access control.
- Integrated facial recognition using OpenCV, Dlib, and Face Recognition libraries.
- Developed an NLP-based fraud detection system using TF-IDF & ML models (Naïve Bayes, Random Forest).
- Implemented AI-driven fraud detection with continuous learning and retraining.
- Implemented PostgreSQL for message storage and Redis for caching.
- Optimized APIs for user management, subscriptions, and flagged content tracking.

AskAI | Python, FastAPI, RAG, FAISS, LLMs(Gemini), LangChain, PostgreSQL, Redis, JWT, NLP

- Developed a RAG-based Q&A system with FastAPI, FAISS, and LLMs(Gemini) for efficient retrieval.
- Implemented vector search using FAISS and Gemini embeddings for accurate text matching.
- Utilized LangChain for query orchestration, LLM integration, and contextual memory management.
- Designed a FastAPI backend with a Streamlit-based frontend for user-friendly prompt-based interactions.
- Integrated JWT authentication and role-based access control for secure API access.
- Optimized storage with PostgreSQL and caching using Redis for better performance.

EventAgent | Python, LangChain, LLM(Gemini), Google Calendar API, FastAPI, Streamlit, RAG, NLP, VectorDB |

- Developed an LLM-powered AI agent for automated event booking and calendar management.
- Integrated Google Calendar API to schedule, modify, and retrieve events seamlessly.
- Leveraged LangChain and LLMs (Gemini) for natural language understanding, intent recognition, and contextual memory.
- Implemented RAG with a vector database to enhance event-related queries and personalization.
- Designed a FastAPI backend with a Streamlit-based frontend for user-friendly prompt-based interactions.
- Enabled users to book events via text prompts, leveraging NLP for intent detection and slot filling.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, HTML, CSS
- **Backend Frameworks:** Django, FastAPI, Flask
- **Frontend Technologies:** Streamlit, Bootstrap 5
- **Databases:** PostgreSQL, MySQL
- **AI/ML & NLP:** LangChain, FAISS, LLMs (Gemini), OpenCV, Scikit-learn, NLTK
- **Tools & DevOps:** Git, VS Code, Jupyter Notebook, Redis, Google Cloud OCR
- **Data Science Libraries:** NumPy, Pandas, Matplotlib, Seaborn

CERTIFICATES

- Exploratory Data Analysis for Machine Learning
- HTML, CSS, and JavaScript for Web Developers