





Bhargav Tavethiya

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 Surat, India

 Software Engineer

Experienced with a demonstrated history of skills working in the IT industry | 5 Years of experience in Software Development with Proficiency in Python and AI application development | Engineering professional with Bachelor of Technology (BTech) focused in Information Technology from Birla Vishvakarma Mahavidyalaya

EXPERIENCE

2.5 Years at Crest Data Systems, Ahmedabad, India

1 Year at XponAI, Melbourne, Australia

6 Months at Lottosocial, Lodon, UK

6 Months at Pathwise solutions, Canada

4 Months at Explicit AI, San Francisco, USA

SKILLS

Proficient with Python and Python API Integrations

AI Development	GPT-4, GPT powered apps development, Embedding, Langchain, Prompt Engineering, Hugging Face, Open Source Models, Whisper, DALL E, Bert models
Languages	Python, Java
Vector Databases	Pinecone, ChromaDB, Faiss, Weaviate, Qdrant
Database	MongoDB, PostgreSQL, SQLite
APIs	REST
Virtualization	Docker
OS	Linux, CentOS, Windows, Mac OS
Repository	Github, Gitlab

Atlassian	Jira (Agile Development), Confluence, BitBucket
API Tool	Postman

PROFESSIONAL EXPERIENCE

AI Teacher Chatbot - Luna

Lead AI Engineer / XponAI

- The Custom Knowledge Base Chatbot is a powerful solution developed using GPT APIs and Langchain. It enables student to ask any question based on the custom knowledge base.
- A custom knowledge base is created using vector store Faiss. The curriculum of the student is parsed, embeddings are created out of it and the vectors are stored using Faiss for later usage.
- When Student ask any question related to the context it uses a chain implemented in Lanchain and uses a similarity search algorithm on stored vectors to answer the student's question.
- A well-structured prompt is used to give AI model Teacher's personality and prevent hallucination.

Google Drive Document Chatbot

Lead AI Engineer / Pathwise Solutions

- The User can chat with the documents available in their google drive folder.
- The chat starts with asking the folder name of the folder the user wants to chat. Once the folder name is provided, the application uses google drive API to download all the files available in that google drive folder.
- All the files are embedded using OpenAI Embeddings and vectors are stored in vector database using ChromaaDB.
- The user can ask any question to which the application will fetch an answer using similarity search and langchain chain implementation.
- A well-structured prompt is used to prevent hallucination and fetch better responses.

Telegram AI chatbot using Hugging face Model

Lead AI Engineer / ExplicitAI

- The chatbot is created using one of the opensource models available on Hugging Face. The Model is TheBloke/Wizard-Vicuna-7B-Uncensored-GPTQ.
- The model was deployed on Runpod to use cloud GPU as an API endpoint service using text generation web ui capabilities.
- Then these API endpoints were used to create a chatbot on telegram.
- The bot acts as an influencer persona, which is created using well-structured prompt template.
- The user can chat with the bot without any safeguard in picture.

Customer service phone line bot

Senior AI Engineer / Lottosocial

- The user can call the AI customer Assistant and get answer to their queries.
- The Phone line connection is made using Twilio, the question user asks is first converted to text using OpenAI whisper model first.
- The data to answer customer's question is already embedded and stored in vector store using Faiss.
- The response to customer's query is fetched using similarity search algorithm from the vector store.
- The response is passed back to voice using Synthetic voice API by eleven labs.
- A well-structured prompt is used to prevent hallucination and fetch better responses.

Listingai.co

Senior AI Engineer / Listingai.co

- ListingAI is an AI-powered real estate listing description generator that revolutionizes the way property descriptions are created.
- Developed using GPT-3.5 APIs, ListingAI allows users to generate unique and engaging descriptions in seconds. By inputting

property details and unique attributes, the platform generates three customized descriptions for each listing.

- This saves significant time for agents and eliminates the need to hire copywriters, resulting in cost savings. The descriptions have high readability scores and improve SEO, boosting Google search rankings.
- Implemented the algorithm using GPT-3.5 APIs and prompt engineering. The App passes all the information and a well-structured Prompt fit all the data and gets response using GPT APIs.

HRMS (Human Resource Management System)

Software Engineer / Crest Data Systems

- Developed Python based backend APIs for various use cases. (Leave Management, Bulk Operations, User Details)
- Consumed various python APIs to connect with the frontend services.
- Dockerized the whole APP including Frontend, Backend and Database.

CERTIFICATIONS

Prompt Engineer | Deeplearning.com

LangChain for LLM Application Development | Deeplearning.com

EDUCATION

Bachelor of Technology, Information Technology	80%	Birla Vishvakarma Mahavidyalaya, India	2016-2020
Higher Secondary Certificate - Science (12th Grade)	84%	Gajera Vidyabhavan, India	2014-2016
School Certificate (10th Grade)	89%	Gajera Vidyabhavan, India	2013-2014