Parth T

ML Engineer, 7+ years experience
INDORE, India
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Highly skilled AI/ML developer with hands-on experience in designing and implementing cutting-edge solutions for diverse industries. Adept at leveraging advanced algorithms and machine learning models to extract actionable insights and drive impactful decision-making. Demonstrated expertise in data preprocessing , feature engineering, and model evaluation, resulting in improved accuracy and performance. Proven track record of successfully deploying scalable AI/ML solutions in production environments, utilizing cloud platforms and containerization techniques. Strong collaboration and communication skills, effectively translating complex concepts to non-technical stakeholders. Committed to staying at the forefront of AI/ML advancements through continuous learning and exploration of emerging technologies. Passionate about leveraging AI/ML to drive innovation and deliver tangible value to clients.

INDUSTRIES: Software and Platforms

TECHNICAL SKILLS

• Python	5 years
• Docker	5 years
• CI CD Pipeline	5 years
• JavaScript	4 years
• Azure	3 years
• AWS	3 years
• Workflow Automation	2 years
• Open AI	2 years
• chroma	2 years
• RAG	2 years
• LLM	2 years
• Prompt Engineering	2 years
• Pinecone	2 years

SOFT SKILLS

Teamwork, Critical thinking

PROJECT DETAILS

• Semantic Text Visual Search Engine:

Project Description: Developed a semantic search application using the Hugging face framework, open-source LLM and FAISS vector store indexing, integrated with various other functionalities such as Google maps api etc

Responsibilities: Goal was to search for services in a nearby area and store location, and contact info. Other aspects of this application included searching images as a query and returning similar images of products from our database. Finally, the application was deployed in AWS. SageMaker was used to deploy the model

Technologies: Python, AWS, TensorFlow, Hugging Face, SageMaker, S3, DynamoDB

Industry: Software and Platforms

• Chatbot Integration

Project Description: Developed and integrated chat bot(s) for a client. One of which had a structure which followed certain instructions provided by the client side which the bot will follow to converse with the user
Responsibilities: And the other bots responses were based on knowledge retrieval from uploaded files which can also be updated by client side. Both of these included functionalities to manage chat memory and database storage as well as display of previous held chats For this GPT llm was used one of the bot was developed using open AIs own apis around which we had developed functionalities such as memory storage and other, meanwhile Other bot uses the Lang chain framework to further manage the retrieval functionality and memory essential for the bot. Moreover, lambda functions were developed to create callable api which would further be used for integration
Technologies: Python, AWS, Open Ai, Langchain, RAG
Industry: Software and Platforms

• Search Integration

Project Description: Tailored a KNN based solution for searching based on text embeddings generated via per trained tokenizer (BERT) and storing those embeddings and returning closest possible results to the query
Responsibilities: To be noted that initially data did not have proper text targets to search from, complex processing was used to obtain description which could be said to be the main part of the architecture more or less. API was deployed as Azure function to be integrated in front-end
Technologies: Python, TensorFlow, Tfhub, Pandas, Numpy, Scipy
Industry: Software and Platforms

EDUCATION

• Bachelors degree in Bachelor of Technology From VIT University from VIT University — 2014 - 2017

LANGUAGES

• English - advanced

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