MUZAMMIL Data Scientist

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SKILLS

- Python, JavaScript, SQL, Google's Vertex AI, Advance Statistics, Flask, Neural Networks, OpenAI, Power BI, Langchain, Tableau, Excel, Large Language Models (LLM), TensorFlow, Natural Language Processing (NLP), Machine Learning, Deep Learning, Generative AI, Generative Pre-trained Transformers (GPT), Palm Tree, Computer Vision, Data Science, Gemini

EXPERIENCE

AI Engineer Dec 2022 - Present
Accenture HYD, IN

- Led the conceptualization of an innovative chatbot design utilizing **Generative Artificial Intelligence (Google's Gemini)**, focusing on user engagement and conversational intelligence.
- Conducted in-depth **analysis** of datasets, managing a min of **500+** rows, **30** columns per story, prioritizing data **accuracy, reliability**.
- Developed custom **business rules** using **JavaScript** for process **automation** and improved system **efficiency** in the design stage.
- Conducted over **40 internal interviews**, Facilitated **Knowledge Transfer sessions** for 3-4 peers, contributing to skill enhancement and knowledge sharing within the team in the design context.
- Delivered presentations to **stakeholders**, providing insights into data loading processes and explaining business rules, fostering a comprehensive understanding and support for **proposed solutions**.

Data Scientist Sep 2022 - Nov 2022
HiCounselor

- Developed an interactive **chatbot** leveraging AI semantic search and Created a personalized **resume maker** for students using Generative AI (**OpenAI**), tailoring solutions to meet unique individual requirements.
- Instructed educational sessions for over **60+ students** on **Deep Learning** Projects like **OpenCV, RNN, CNN, LSTM, Attention etc..**, providing **practical insights** and facilitating a deeper understanding of the subject.
- Produced datasets for student projects, resulting in significant recognition, with top 3 projects garnering **13k, 7k, 4k views** and **2k, 1k, 800 downloads** respectively, each earning a **bronze medal**.

PROJECTS

ChatBot Development for User Queries (HiCounselor)

- Developed an **AI Semantic Search** algorithm by seamlessly integrating OpenAI's "**text-embedding-ada-002**" text model and **Langchain**, achieving a significant **40%** improvement in accuracy of search results.
- Implemented **optimizations** for query response times, enhancing efficiency by **20%** through the incorporation of **FacebookAI Semantic Search** model and leveraging the capabilities of the **Pinecone database.**
- Employed advanced data processing techniques like **Named Entity Recognition, LSTM** to handle diverse and complex data inputs, reducing the cost by **5%.**
- **Fine-tuned** the **parameters** of the OpenAI text model and Langchain to setting clear expectations regarding the **avoidance** of **political** and **religious** discussions.

Resume Maker for Students (HiCounselor)

- Designed an accessible and intuitive user interface, facilitating seamless input of information and enhancing overall user experience.
- Created personalized designs with respective to company's website using **Figma**
- Integrated **OpenAI's question answer models** for semantic understanding and dynamic answer generation, ensuring accurate interpretation of user question.
- Implemented **personalized resume generation** through data-driven algorithms, aligning user profiles with industry standards for increased employability by **10%**.

ACHIEVEMENTS

- **Kaggle Dataset Expert - rank (450/100,806)**
- **Student Innovator with 1 PATENT**
- **WINNER of Smart Indian Hackathon 2020- AICTE**
- **WINNER of SGD-Ideathon by ACIC RISE**

EDUCATION

CMR COLLEGE OF ENGINEERING AND TECHNOLOGY 2022
BE/B.Tech/BS │ 80%
Electronics & Communication Engineering

the woolf institute 2024
MS in Computer Science │ 9.0 CGPA
Artificial Intelligence & Machine Learning