Sachin Saini

Haryana

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Summary

Data scientist with 2+ years of experience in developing machine learning models and Gen AI Solutions.Passionate about harnessing the power of data to drive informed decision-making and optimize organizational performance.

Education

Hindu College, University Of Delhi

Masters in Operations Research   06/2022

Keshav Mahavidyalaya, University Of Delhi

B.Sc Mathematical Sciences   06/2019

Experience

Cognizant

Data Scientist • Chennai, India   07/2020 - Present

- Developed Machine Learning Model to predict Net Promoter Score using Project Customer Satisfaction and Customer Rating Survey data. Built XGBoost Model with K-Fold Cross Validation to acheive 82% accuracy.
- Developed and deployed a Gen AI Search Engine Optimization content generation tool by leveraging Azure GPT-4 Turbo large language model.Built Restfult APIs using Flask to deploy it on Azure App Services.
- Built Natural Language Query to Google Big Query POC by integrating GPT4 LLM using Gradio.
- Implemented weeco aideml Autonomous Agent powered by Large Language Models (LLMs), effectively writes code and systematically searches for better designs.
- Written Python scripts using the Pyomo optimization modeling library to solve complex Operations Research problems and created a comprehensive dataset of it.
- Designed and implemented conversational chatbot for Operations Research using Generative AI Language Models, including Azure OpenAI O1-preview, OpenAI GPT-4, AWS OPUS3, and Gemini 1.5 pro. The chatbot intelligently formulates mathematical model formulation based on user input and generates optimized Pyomo code to solve the problems efficiently.
- Implemented TaskWeaver, a code-first agent framework, to streamline data analysis, automate tasks, and generate valuable insights, significantly reducing manual effort and accelerating data-driven decision-making.
- Engaged in implementing Prompt Engineering Research Papers such as Auto Plan,Reflexion,Multi Agent Debate,Plan and Solve etc.

Certifications

- Python for Data Science,Udemy
- Machine Learning: The Complete Machine Learning Course, Udemy
- The Complete SQL Bootcamp: Go from Zero to Hero, Udemy
- Building Generative AI Applications using Gradio, deeplearning.ai

Skills

Python, Machine Learning, Flask, Gradio, Generative AI, Prompt Engineering, Azure , SQL, AWS EC2, Scikit-learn

Languages

English, Hindi