SAMIR SENGUPTA

Data Scientist

Mumbai, India | Phone:+91 8356075699 | Samir843301003@gmail.com | www.linkedin.com/in/samirsengupta/ | https://github.com/SamirSengupta

SUMMARY

Versatile and accomplished Data Scientist with experience working with Large Language Models (LLM), specializing in developing robust machine learning models, optimizing predictive analytics solutions, and driving data-driven decision-making processes. Proven track record in leveraging advanced data analytics, deep learning algorithms, and customer segmentation techniques to enhance customer loyalty, streamline operations, and deliver innovative solutions. Skilled in Python, SQL, Tableau, Power BI, and various data science tools. Adept at collaborating cross-functionally, communicating complex ideas effectively, and adapting to dynamic environments. Seeking a challenging role to apply my comprehensive skill set and contribute to organizational growth through data-driven strategies.

EDUCATION

Bachelors in data science   March 2023

University of Mumbai   Mumbai, India

Acquired Skills: Deep Learning, Machine Learning, Artificial Intelligence, Databases, Neural Networks.

Higher Secondary Education (Science)   July 2020

University of Mumbai   Mumbai, India

Acquired Skills: Chemistry, Information Technology, Physics, Mathematics, Statistics.

WORK EXPERIENCE

Associate Software Developer Python and Machine Learning, Amigosec Synradar   Aug 2023 – Present

- Spearheaded the migration of the entire code base from PHP to Python, resulting in a remarkable 160% increase in overall system speed and performance.
- Developed a robust Python application using Flask to proactively safeguard clients from cyber-attacks, demonstrating a commitment to enhancing security measures.
- Implemented artificial intelligence and machine learning techniques to optimize the code base, leading to significant time savings and automation of critical processes.

Data Analyst & Backend Developer, Profit Maxima   Aug 2022 – July 2023

- Conducted data analysis on stock market data using Python and SQL, driving a 25% increase in client satisfaction with investment recommendations.
- Created interactive data visualizations, leading to a 20% reduction in response time for client queries.
- Optimized backend infrastructure with MySQL, resulting in a 40% decrease in data retrieval time and improved operational efficiency.

PROJECTS

Movie Recommendation System   March 2023

- Created a movie recommendation system using the TMDB API with content-based filtering.
- Deployed and hosted the system on a Stream lit server.
- Performed sentiment analysis using NLP techniques and deployed the application with Stream lit for user interaction and visualization.

Music Mate: Song Downloading System   May 2023

- Developed a music downloader using the Spotify API and Python Tube (PyTube) library to download songs from Spotify playlists or YouTube videos.
- Built a Flask backend to handle API requests for downloading songs based on user input.
- Designed a front-end interface with HTML, CSS, and JavaScript for user interaction and input of Spotify playlist or YouTube video URLs.

Customer Segmentation   Nov 2023

- Conducted K-means clustering for customer segmentation based on Annual Income and Spending Score.
- Visualized clustering results and identified 5 distinct customer segments.
- Provided actionable insights for marketing and business strategies based on customer segmentation.

Power BI Sales Forecasting Dashboard   Jan 2024

- Developed a Power BI dashboard for sales forecasting, integrating data analysis and visualization to provide actionable insights.
- Implemented advanced forecasting models to predict sales trends and optimize business strategies.
- Streamlined decision-making processes by presenting comprehensive sales analytics in an interactive and user-friendly interface.

Gemini Pro   March 2024

- Developed a Flask application utilizing Google's Gemini Large Language Model (LLM) to summarize documents such as CVs and job descriptions.
- Implemented functionality to generate summaries of job descriptions and CVs, providing insights into reasons for hiring or not hiring the candidate.
- Incorporated feedback generation to suggest improvements for candidates, enhancing their professional profiles.

Gemini Vision Pro   March 2024

- Developed an image recognition application utilizing Google's Gemini Pro Vision model to analyze images provided by users.
- Implemented functionality to interpret images and generate descriptive prompts to guide users in generating similar images.
- Integrated the Gemini Pro Vision model to understand image content and provide accurate responses.
- Designed an interactive user interface for inputting images and displaying results, enhancing user experience and engagement.

ADDITIONAL SKILLS & CERTIFICATIONS

- Technical Skills: Python (NumPy, Pandas, Scikit-learn, TensorFlow, Keras), SQL (MySQL, PostgreSQL), Tableau, Power BI, R programming, Machine Learning, Deep Learning, Neural Networks, Data Processing, Artificial Intelligence, LLM (Large Language Models), Generative AI.

- Soft Skills: Collaborative teamwork, Communication, Problem-solving, Attention to detail, Time management, Adaptability, Continuous learning, Critical thinking, Leadership, Analytical thinking.

- Certifications: Google Certified Data Analyst, Blockchain Technology, Power BI, MySQL, Machine Learning, Recommender System, Adobe Photoshop, Advanced Excel, Python.