

SAMIR SENGUPTA

Data Analyst

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SUMMARY

Data Science graduate with a strong foundation in Python, SQL, and machine learning. Experienced in working on real-world projects and collaborating with teams. Seeking a Data Analyst position to apply analytical and problem-solving skills to drive data-driven decision-making.

EDUCATION

Bachelor of Technology (Honors) In Data Science

March 2023

KES SHROFF COLLEGE OF INFORMATION TECHNOLOGY

Mumbai, India

Acquired Skills: Data Analysis, Data Visualization, Machine Learning, SQL.

Higher Secondary Education (Science)

July 2020

REENA MEHTA COLLEGE OF SCIENCE

Mumbai, India

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

WORK EXPERIENCE

Associate Software Developer, 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.

Data Scientist, Neural Thread

Jan 2021 – Aug 2022

- Engineered a GPT-2 based prompt processing engine for Neural Thread, ensuring seamless text-to-image generation without intricate parameter tuning.
- Implemented an advanced paint algorithm for Neural Thread, exceeding standard methods and delivering superior image results.
- Streamlined Neural Thread installation in under 3 clicks, optimized GPU memory to a minimum of 4GB (Nvidia) for enhanced user experience.
- Introduced exclusive features in Neural Thread for advanced users, offering specialized tools to achieve flawless image generation results.

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 Streamlit server.
- Performed sentiment analysis using NLP techniques and deployed the application with Streamlit for user interaction and visualization.

Music Mate: Song Downloading System

April 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.

Professional Portfolio

May 2023

- Crafted a professional portfolio using HTML, CSS, and JavaScript to showcase educational background, skills, work experience, and certifications.
- Utilized GitHub for version control and tracking changes in the portfolio's codebase.
- Hosted the portfolio online, allowing visitors to explore professional journeys, complete projects, acquire skills, and obtain certifications.

Laptop Price Prediction

June 2023

- Developed a Streamlit-based application for real-time laptop price predictions using a trained machine learning model.
- Enabled users to input laptop specifications and obtain accurate price estimates for the given configuration.
- Implemented data preprocessing techniques and leveraged the trained model to provide instant price predictions on the Streamlit interface.

Customer Segmentation

July 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.

ADDITIONAL SKILLS & CERTIFICATIONS

- Technical Skills: Python, SQL, Tableau, Power BI, R programming, Machine Learning, Deep Learning, Data Processing, HTML/CSS/JS.
- Soft Skills: Collaborative teamwork, Communication, Problem-solving, Attention to detail, Time management, Adaptability, Continuous learning, Critical thinking, Leadership, Analytical thinking.
- Certifications: Blockchain Technology, Power BI, MySQL, Machine Learning, Recommender System, Adobe Photoshop, Advanced Excel, Python.