

SAMIR SENGUPTA

Data Scientist

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

SUMMARY

Experienced and results-driven Data Scientist with a proven track record in developing precise machine learning models for customer-centric solutions. Adept at leveraging advanced data analytics and deep learning algorithms to optimize Predictive Analytics Solutions. Skilled in dynamic customer segmentation and crafting personalized retention models, leading to a substantial increase in customer loyalty. Seeking a challenging role to apply my expertise in driving innovative solutions and contributing to data-driven decision-making processes.

EDUCATION

Bachelor 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

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 – July 2022

- Engineered ML models for precise customer churn prediction, resulting in a significant decrease in attrition rates to 7% from 29% annually.
- Applied cutting-edge deep learning algorithms to enhance the precision of Predictive Analytics Solutions, achieving a better prediction accuracy of 42%.
- Led K-means clustering initiatives for dynamic customer segmentation, optimizing targeted marketing strategies.
- Developed and implemented tailored retention models, resulting in a substantial increase in customer loyalty to 83% from 47%.

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

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.

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

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.

Flight Price Prediction

Feb 2024

- Implemented a machine learning model to predict real-time flight prices, enhancing accuracy through regression analysis.
- Enabled users to input flight details and receive accurate price estimates, streamlining travel planning.
- Utilized data preprocessing techniques for optimal model performance and presented results on a Streamlit interface.

ADDITIONAL SKILLS & CERTIFICATIONS

- Technical Skills: Python (NumPy, Pandas, Scikit-learn, TensorFlow, Keras), SQL (MySQL, PostgreSQL), Tableau, Power BI, R programming, Machine Learning, Deep Learning, Data Processing, Artificial Intelligence.
- 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.