

SANTHOSH KUMAR S

Data Scientist

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PROFILE

Data Science Certified Professional with expertise in statistical modeling, machine learning, and predictive analytics. Proficient in Python, SQL, and machine learning frameworks like Scikit-learn and TensorFlow. Experienced in deploying end-to-end data science solutions, utilizing data analysis, predictive modeling, and visualization to drive business performance and data-driven decision-making.

SKILLS

Python | Data Visualization | Machine Learning | Deep Learning | Selenium | Power BI | SQL | MongoDB | LLM | Hugging Face | Google Analytics | AWS Cloud | NLP | Computer Vision.

PROJECTS

Senticonomy – News Sentiment Dashboard

Key Skills: Python, NLP, Streamlit, AWS (S3, RDS, EC2, Lambda), Plotly, Matplotlib, Clustering

- Built a real-time news sentiment analysis dashboard using Python and Streamlit, integrating natural language processing (NLP) to analyze news across 12 predefined categories.
- Deployed the solution on AWS using S3 for data storage, Lambda for task automation, RDS for relational data handling, and EC2 for hosting.
- Automated data pipeline development enabled real-time ingestion and processing of news articles with sentiment scoring and clustering for topic segmentation.
- Visualized trends using Plotly and Matplotlib, providing strategic insights to end users with interactive, category-wise breakdowns of sentiment shifts.

Employee Attrition Analysis & Prediction

Key Skills: Python, Scikit-learn, Streamlit, EDA, Machine Learning, HR Analytics

- Developed a predictive analytics dashboard for HR teams to assess employee attrition risk using supervised ML models, including Logistic Regression and Random Forest.
- Conducted exploratory data analysis and created visualizations using Pandas, Matplotlib, and Seaborn to uncover key attrition patterns.
- Implemented feature engineering and importance analysis, identifying critical factors such as overtime, income, and job satisfaction impacting employee churn.
- Deployed the model using Streamlit, enabling real-time attrition prediction and decision support via an interactive and user-friendly interface.

PROFESSIONAL EXPERIENCE

Customer Service Representative

SEP 2022 – Present | Chennai

HCLTechnologies,

- Collaborated with account managers to gather client requirements, executing B2B and O2O order processes to enhance customer satisfaction.
- Managed procurement operations and back-office order tracking, ensuring timely delivery and operational efficiency.
- Supported cross-functional teams to drive productivity, achieving uninterrupted turnaround times (TAT) and superior client satisfaction.

EDUCATION

IIT-M Advanced Programming Professional & Master Data Science IIT-M GUVI

Nov 2024 – Apr 2025| Chennai

Bachelor of Commerce (General)

June 2019– June 2022 | Chennai

Mohamed Sathak College of Arts and Science, Affiliated university of madras

CERTIFICATES

- Generative AI Certification: HCL TECH

-Machine & Deep Learning Algorithms: HCL TECH