SATHISH KUMAR

Data Scientist

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PROFILE

Motivated and detail-oriented Data Science enthusiast with a solid foundation in Python, SQL, Machine Learning, and Deep Learning. Trained under GUVI's IIT-M incubated program and completed real-world projects focusing on data-driven decision-making. Eager to contribute to GUVI's mission of accessible vernacular tech learning as a Data Science Specialist Intern.

SKILLS

Python | NumPy | Pandas | SQL | MySQL | Machine Learning | PyTorch | Scikit-learn | Power BI | Data Analysis | Natural Language Processing(NLP) | Data Preprocessing | Feature Engineering

PRACTICAL EXPERIENCE

Telecom Churn Prediction and Analysis

Key Skills: Python, Machine Learning, Power BI, EDA, Data Visualization

- Developed a predictive model to identify telecom customers at risk of churn, allowing early intervention.
- Performed EDA on 6,418 customer records (27% churn rate) to uncover key churn drivers and optimize retention efforts.
- Trained and evaluated a Gradient Boosting Classifier, achieving 85% accuracy, and implemented a Flask web app on Render for real-time predictions.
- Designed and integrated a Power BI dashboard, delivering interactive insights to support data-driven decision-making.

Loan Approval Predictor

Key Skills: Python, Machine Learning, EDA, XGBoost, Data Preprocessing, Model Evaluation

- Developed a machine learning model to predict loan approval, optimizing the lending decision-making process.
- Enabled financial institutions to assess loan eligibility efficiently using EDA, feature engineering, and model evaluation.
- Analysed 4,269 records (13 features), performed EDA and correlation analysis, engineered a unified asset variable, and trained an XGBoost model, achieving 99% accuracy.
- Provided a scalable, data-driven solution for loan processing, improving decision-making efficiency.

British Airways Data Science Job Simulation

Data Scraping, Sentiment Analysis, Random Forest, Feature Engineering, Python

- Scraped customer review data from the British Airways website and analyzed sentiment using SentimentIntensityAnalyzer, visualizing key trends with word clouds.
- Built a Random Forest model to predict customer purchasing behavior, achieving 85.3% accuracy after hyperparameter tuning.
- Identified key predictors such as purchase lead time, trip type, and sales channel, which significantly influence booking decisions.
- Delivered actionable insights that can help airlines personalize marketing strategies and boost sales.

EDUCATION

Advanced Programming Professional & Master Data Science 2023 – 2024
IIT-M GUVI Chennai, India

Bachelor of Business Administration 2019 – 2022
Vidyasagar College of Arts and Science Udumalpet, India

CERTIFICATES

- Python for Data Science - IBM
- Data Analytics Essentials - CISCO
- Microsoft Power BI - Guvi