GOWTHAM SAI BHUVANAM
DATA SCIENTIST
gowthamsaib277@gmail.com | +1 (656) 214-9504 | Tampa, FL | LinkedIn

SUMMARY

Data Scientist with 4 years of experience in machine learning, predictive analytics, NLP, and data visualization across retail, finance, and healthcare. Skilled in end-to-end data science workflows using Python, SQL, TensorFlow, Spark, and AWS SageMaker. Experienced in feature engineering, model tuning, and communicating insights to technical and non-technical stakeholders. Knowledgeable in AI ethics, model interpretability, and compliance for regulated industries. Proficient in Agile environments, leading projects from ideation to deployment, mentoring junior analysts, and using Tableau and Power BI for data visualization. Experienced with multiple data sources including Oracle, MySQL, SQLite, SQL Server, and MongoDB.

SKILLS

Methodologies: SDLC, Agile, Waterfall
Language: Python, R, SQL, SAS, C++, MATLAB
IDEs: Visual Studio Code, PyCharm, Jupyter Notebook
Statistical Methods: Hypothetical Testing, ANOVA, Time Series, Statistics
Machine Learning & AI Frameworks: Regression analysis, Bayesian Method, Decision Tree, Random Forests, Support Vector Machine, Neural Network, Sentiment Analysis, K-Means Clustering, KNN, Classification, SVM, Naive Bayes, NLP, LLM, CNN, Deep Learning, Predictive Models, Scikit-learn, TensorFlow, Keras, XGBoost, LightGBM, PyTorch, StatsModels
Big Data: Apache Kafka, Databricks, Hadoop, Spark, Hive, MapReduce, Apache Spark, Big Query, Snowflake
Packages: NumPy, Pandas, Matplotlib, SciPy, ggplot2, Seaborn, Pyspark, SQLAlchemy, OpenPyXL
Visualization/Other Tools: Tableau, Power BI, Jira, Microsoft Excel, SSIS, Matplotlib
Cloud Technologies/Database: AWS, GCP, Azure, MySQL, SQL Server, Oracle, MongoDB, PostgreSQL, FireBase
Software/Other Skills: Data Cleaning, Data Wrangling, Critical Thinking, Presentation Skills, Problem-solving, Decision-Making, EDA, Communication Skills, Data Visualization, Predictive Analytics, Pattern Recognition, JMP, Data Integrity, Quantitative Data, Data Science, Statistics, Statistical Analysis, Data Analytics, Data Modeling, Data Analysis, Data Mining, SAP, Mathematics, Computer Science, Programming, ER Diagrams, Dimensional Modeling, Star Schema, Data Vault, logical Analysis
Operating System: Windows, Linux

EXPERIENCE

Intuit, USA | Data Scientist   **Jan 2025 - Current**
- Architected an end-to-end demand forecasting system using XGBoost, Prophet, and seasonal decomposition, reducing overstocking and understocking by 27%, leading to $2.3M in annual savings.
- Created an intelligent promotion effectiveness framework leveraging uplift modeling & causal inference, increasing campaign ROI by 41%.
- Developed an automated NLP pipeline using BERT and LSTM models to analyze customer service tickets and categorize them with 94% accuracy, reducing manual triage time by 70%.
- Created real-time dashboards in Tableau powered by Snowflake data warehouse for executives to track weekly sales, and marketing KPIs.
- Conducted A/B and multivariate testing across product displays and pricing strategies using Python statsmodels and Bayesian methods.
- Developed and fine-tuned predictive models (Regression, Decision Trees, SVM) using grid search and k-fold cross-validation, significantly improving model accuracy.
- Delivered scalable AI solutions leveraging Deep Learning, NLP, and Reinforcement Learning to solve high-impact business problems.
- Utilized AWS SageMaker for efficient end-to-end ML lifecycle management, accelerating model deployment and iteration.
- Collaborated with DBAs to fine-tune MySQL performance, optimizing query execution and system responsiveness.

Freshworks Inc, India | Data Scientist   **March 2020 - June 2023**
- Designed a credit risk pipeline using Random Forest and logistic regression, reducing loan default rates by 19%.
- Built a fraud detection framework using Isolation Forest, PCA, and LSTM autoencoders, flagging outliers in high-volume transaction datasets and reducing undetected fraud by 22%.
- Collaborated with product and legal teams to ensure model explainability using SHAP values and LIME for compliance with model risk management policies.
- Led pricing optimization for 1,500+ stores and 10,000+ SKUs using regularized regression and optimization algorithms.
- Automated model monitoring workflows using Airflow & MLflow, ensuring drift detection and retraining triggers for real-time scoring APIs.
- Integrated advanced ML models into core business strategies, enabling data-driven decision-making and operational efficiencies.
- Created comprehensive Power BI dashboards to visualize performance KPIs across retail, SME, and corporate banking units.
- Conducted technical interviews, reviewed hiring assessments, and trained interns on data engineering pipelines.
- Deployed AI-driven tools for automated EDA, providing insights from raw data in minutes and cutting analysis time by 40%.
- Utilized AWS EC2 instances for scalable data processing, model training, and inference, efficiently managing variable workloads.

EDUCATION

Master of Science in Business Analytics and Information Systems | University of South Florida, Tampa, FL
Bachelor of Engineering in Computer Science & Engineering | Rajiv Gandhi University of Knowledge Technologies, Andhra Pradesh, India