Sri Ram Sripada

+1 813- 734 -1536 | sripadas20@gmail.com | LinkedIn | GitHub | Website | Tampa, USA

Summary

Master's graduate in Business Analytics and Information Systems with over 2.5 years of experience as a Data Scientist and Software Engineer. Proficient in machine learning, data visualization, and predictive modeling, enhancing decision-making and operational efficiency using Python, SQL, and Tableau.

Skills

- **Programming Languages**: Python, R, Apache Spark
- **Databases**: MySQL, SQL Server,PostgreSQL
- **Frameworks**: Pandas, Numpy, Scikit-learn, Keras, Matplotlib, Scipy, Tensorflow, Plotly, PySpark
- **ML Algorithms**: Classification, Decision Trees, Generalized Linear Models, Clustering, Neural Networks
- **Statistics**: Descriptive & Inferential Statistics, Hypothesis Testing, Distributions, Statistical Tests
- **Visualization tools**: Tableau, Power BI, Looker, Qlik Sense
- **Cloud Technology**: AWS Cloud Services, Azure Data Lake, Azure Data Factory, Azure Synapse Analytics
- **Tools**: Jupyter, Visual Studio Code, Docker, Flask Framework, Git, MS Excel, Databricks

Work Experience

Data Scientist - Intern at University of North Florida, Jacksonville, FL **June 2023 - Aug 2023**

- Developed end-to-end machine learning model lifecycle, deployed a text mining model for topic classification on AWS, and monitored model workflows using ML Ops, boosting trend detection by 15%
- Designed interactive data visualizations using Tableau, translated complex visualizations into actionable insights, and collaborated with stakeholders to interpret data-driven insights, driving a 20% business growth.
- Conducted comprehensive data analysis and feature engineering using Python to develop custom data models, significantly improving product strategies for 1000+ users and doubling revenue.
- Presented **big data project outcomes** and strategic insights at **FL-DSSG Conference - 2023**
  Technical Stack: Python, Data Models, SQL, Machine Learning, Tableau, Storytelling

Software Engineer at Softility, Hyderabad, India **Jan 2021 - Aug 2022**

- **Developed and implemented scalable data pipelines and algorithms in Python**, enhancing data gathering techniques and predictive modeling accuracy, and improving data quality by 25%
- Engineered **advanced machine learning models and REST APIs** using Python and SQL, optimizing ad targeting and other business outcomes, enhancing decision-making by 30%.
- Coordinated with cross-functional teams to deploy predictive models in production using AWS Sagemaker, improving data model scalability and operational efficiency in data workflows by 40%.
  Technical Stack: Python, Data Management, SQL, Data Wrangling, AWS, Machine Learning Algorithms

Machine Learning Engineer - Intern at SkillAscend, Hyderabad, India **May 2020 - Dec 2020**

- Developing, testing, and tuning **supervised, and unsupervised learning** techniques using Python, for **solution development and, anomaly detection**, driving 50% growth in operational efficiency.
- Performed **quantitative data processing and statistical techniques** using Python, and SQL queries to recommend KPIs - predictors and causes of business-related problems to **non-technical stakeholders**
  Technical Stack: Python, SQL, Excel, Data Science, Statistical Modeling, ML Techniques, KPIs

Academic Projects

Credit Churn Prediction (Python, MLflow, Streamlit, AWS)

- Engineered a 6% enhancement in financial credit churn analysis accuracy by implementing ML models into production systems using Python.
- Integrated MLflow for ML model monitoring; deployed by leveraging Streamlit and Amazon EC2.

Insurance Premium Prediction (Python, MongoDB, Machine Learning, AWS)

- Orchestrated robust end-to-end machine learning pipelines using Python, from prototyping to deployment. Containerized and deployed AI/ML Model to production using AWS, Docker, Streamlit, Git version control.
- Leveraged Machine learning for real-time batch processing and Optimized data extraction of 1000+ records

Flight Price Prediction Using Machine Learning (Python, Flask, Docker, Azure)

- Boosted ticket price prediction performance by 28% using Flask-based Random Forest model.
- Managed end-to-end deployment of machine learning models in production using Azure cloud

Certifications

- Databricks Generative AI Fundamentals **Mar 2024**
- Databricks Lakehouse Fundamentals **Sep 2023**

Education

- MS in Business Analytics and Information Systems, University of South Florida **May 2024**
- BE in Electronics and Communications Engineering, Osmania University **Aug 2020**