

# Sri Ram Sripada

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## WORK EXPERIENCE

### University of North Florida

Jacksonville, FL

#### Data Scientist Intern

Jun 2023 - Aug 2023

- Designed interactive dashboards using Tableau, translated complex data visualization into actionable data product user stories and collaborated with stakeholders to interpret data-driven insights, driving a 20% business growth.
- Executed end-to-end model development, deployed text mining model for topic classification on the cloud, and led successful monitoring of ML model workflows using ML flow, boosting textual trend detection by 15%
- Conducted in-depth exploratory analysis, data cleaning, transformation, feature engineering and model development using SQL and Python. Guided product strategy for 1000+ users through implementation of ML models using Python.

### Softility

Hyderabad, IN

#### Software Engineer

Jan 2021 – Aug 2022

- Developed and optimized advanced statistical data models to develop AI/ML algorithms using Python. Utilized internal & external raw data sources to enhance operational efficiency, achieving a measurable 30% increase in decision making.
- Implemented data processing pipelines for critical stages: data ingestion, data transformation, and streamlined model training using Python for predictive modeling. Streamlined model training, performance and deployment time by 25%.
- Collaborated with data science and engineering team to deploy ML models (random forest, decision trees) using Python. Deployed machine learning models in production as REST APIs using AWS Sagemaker and Docker, saving \$200k/year.

### SkillAscend

Hyderabad, IN

#### Machine Learning Engineer Intern

Aug 2020 – Dec 2020

- Enhanced data analysis accuracy by 95% using Python-based machine learning using descriptive and predictive data science techniques. Presented findings to team members, and delivered business insights to stakeholders.
- Employed statistical modeling (outlier detection, A/B testing) using Python to address business challenges, contributing to a 15% enhancement in data-driven decision-making and overall business value across the organization.

## PROJECTS

### [Credit Churn Prediction](#) | Python, MLflow, Streamlit, AWS

Jun 2023 – Nov 2023

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

### [Insurance Premium Prediction](#) | Python, MongoDB, Machine Learning, AWS

Jun 2023 - Nov 2023

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

### [Flight Price Prediction Using Machine Learning](#) | Python, Flask, Docker, Azure

Jun 2023 - Nov 2023

- 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, optimizing accessibility and performance.

### [Predicting Service Faults on Telecommunication Network](#) | Python, Machine Learning

Oct 2021 – Feb 2022

- Delivered a 50% log-loss reduction in ML model performance through rigorous feature engineering and data analysis.

## EDUCATION

### University of South Florida | M.S in Business Analytics and Information Systems

Tampa, FL

Cumulative GPA: 3.8/4.0

Expected May 2024

### Osmania University | B.E in Electronics and Communication Engineering

Hyderabad, IN

Cumulative GPA: 3.21/4.0

Jul 2016 - Aug 2020

## CERTIFICATIONS

Distributed Storage and Processing Fundamentals

[Link](#)

Databricks Accreditation Lakehouse Fundamentals

[Link](#)

## SKILLS

**Programming Languages:** Python (Pandas, Flask, Scikit-learn, Numpy, Keras, matplotlib), R, SQL

**Statistical Skills:** Hypothesis Testing, A/B Testing, ANOVA, Anomaly Detection, Time Series Modeling

**Data Science:** Linear Regression, Logistic Regression, Random Forests, Ensemble Models, Clustering, Natural language Processing (NLP), Dimensionality Reduction, Deep Learning - Neural Networks, Distributed Computing

**Tools:** AWS Sagemaker, Linux, Git (version control), Excel, Docker, Kafka, ML flow, Tableau, Power BI, Databricks