Sai Ranjith Reddy Konda Reddy

Dallas, Texas; (945)-527-5267; ranjithreddyk1910@gmail.com; LinkedIn. Sai ; GitHub. Sai

EDUCATION

The University of Texas at Dallas May 2025
Master of Science, Information Technology and Management (MIS) **GPA 3.70**

SKILLS

Languages & Frameworks: Python, SQL, Unix Shell Scripting, Flask, Scikit-learn, NumPy, Pandas
Cloud Technologies: GCP (BigQuery, Cloud SQL, Cloud Composer, Pub/Sub), Apache Airflow, AWS (S3, Glue, Lambda)
ML & Analytics: EDA**,** Predictive Modeling, Feature Engineering, Hyperparameter Tuning, Statistical Modeling
ETL & Data Tools: Informatica PowerCenter, IICS, Talend, Apache Airflow, MySQL, Oracle PL/SQL, Snowflake
Visualization Tools: Tableau, Grafana, Power BI, Matplotlib
Certifications: Google Cloud Professional Data Engineer, SQL Associate

PROFESSIONAL EXPERIENCE

Pieces Technologies, Irving, Texas Aug 2024 – Nov 2024
Quantitative Scientist Intern (HealthCare Domain)

- Designed and deployed scalable **machine learning** pipelines using **Python**, **scikit-learn**, and **MySQL**, improving clinical prediction accuracy by **20**% through enhanced model training and evaluation workflows
- Developed a cloud-native **AWS** cost optimization tool using **Boto3**, **CloudWatch APIs**, and **Python**, integrating cost data into **Grafana** dashboards, increasing cloud cost transparency and reducing monthly AWS expenditure by **25**%.
- Built automated, serverless ETL pipelines leveraging **AWS Lambda**, **S3**, and **Python** to ingest and transform over **1M** unstructured healthcare records, reducing data preprocessing time by 40% and enabling real-time analytics.
- Conducted comprehensive statistical and exploratory data analysis on large-scale healthcare datasets using **SQL** and **Python** (Pandas, NumPy), improving data modeling workflows and driving strategic clinical insights.

Wipro, Bangalore, India Dec 2021 – Aug 2023
Data Engineer (Client: Charles Schwab)

- Led the migration of **15M+** transactional records to **Google Cloud Platform (BigQuery, Cloud SQL)**, cutting data latency by **30%** and improving financial data availability.
- Designed scalable **ETL** workflows **using Cloud Composer (Airflow)** and **SQL** on **GCP**; leveraged **Oracle PL/SQL** for pre-migration transformations and data validation, improving pipeline reliability by **35**%.
- Developed real-time ingestion systems using **Cloud Pub/Sub** and **Cloud Dataflow** for **batch** and **stream** processing, enabling **40%** faster analytics for time-sensitive reporting.
- Automated data transformation workflows using **Python (Pandas/NumPy**) and **GCP Dataprep**, improving pipeline efficiency by **95%** and reducing manual effort by **80%.**
- Developed scalable ETL pipelines in **Talend** and **PySpark** to ingest data into BigQuery, reducing data delivery time by **35**% across investment analytics workflows.
- Optimized SCD task flows in **IICS**, improving **ETL** performance by **30%;** built and maintained robust data pipelines using Informatica **PowerCenter** and **IICS** for seamless, accurate integration across multiple systems.

CodingZen, Bangalore, India Jun 2021 – Nov 2021
Data Science and Analytics Intern

- Built **Python ETL pipelines** and optimized **SQL queries**, reducing data latency by **35%** and accelerating reporting.
- **Performed** predictive analytics and statistical modeling using **Python**, improving business insights by **30%.**

PROJECTS

FeastIt-VendorHub link Jan 2025 – Apr 2025

- Led full-stack development of FeastIT with Vendor- and customer-facing React interfaces and **REST APIs** using **Flask/MySQL**; implemented backend data transformations and maintained **API doc**s for seamless integration.

Predicting Customer Churn Using Machine Learning link Aug 2024 – Nov 2024

- Developed a supervised **ML** pipeline using **Logistic Regression**, **Random Forest**, **SVM** and **XGBoost**; achieved **80**% accuracy and enabled churn risk segmentation through **feature engineering** and hyperparameter tuning.