YASHWANTH REDDY SADALA

yashwanthsadala88@gmail.com ⋄ +1(330) 554-4587 ⋄ Kent, OH / Open to relocation

linkedin.com/in/syashwanth-reddy ⋄ yashwanthsadala.netlify.app

PROFESSIONAL SUMMARY

Result-driven Financial Data Analyst with 3+ years of experience delivering actionable insights to optimize forecasting, revenue tracking, and financial reporting across finance, energy, and healthcare sectors. Proven expertise in designing scalable data pipelines, building dynamic BI dashboards, and applying predictive models using Python, SQL, and cloud technologies (AWS, Azure, GCP). Adept at driving data-driven decision-making, improving financial accuracy, and enhancing operational efficiency.

EXPERIENCE

Data Analyst Intern   Feb 2025 - Present

Fannie Mae

- Spearheaded loan performance modeling using Python (Scikit-learn), improving forecast accuracy by 18% and enhancing borrower segmentation.
- Engineered scalable SQL pipelines on AWS (S3, Redshift), orchestrated via Apache Airflow, achieving 99.9% reliability in revenue tracking.
- Developed interactive Power BI and Tableau dashboards with embedded financial metrics, incorporating Looker-based scenario simulations.
- Automated weekly reporting workflows using Python, SQL Server Agent, FP&A and Docker, reducing manual effort by 25%.
- Collaborated with cross-functional Agile teams using JIRA and GCP BigQuery, maintaining version control via Git.

Data Analyst   Feb 2022 - July 2023

Cognizant Technology Solutions

- Led data migration from ACM to Umbraco CMS for energy client (Wood Mackenzie), preserving data integrity across multiple sources.
- Delivered executive dashboards using Power BI/Tableau, integrating client charts into CMS via JavaScript APIs.
- Conducted EDA and statistical modeling in Python and R, identifying critical business trends and anomalies.
- Reduced ETL latency by 30% through Apache Spark optimizations and AWS Lambda integration.
- Automated reporting deployment using Jenkins CI/CD pipelines and Docker containers.
- Collaborated with QA teams to validate data integrity and ensure accuracy across ETL pipelines pre and post deployment.
- Led ad hoc data pulls and insights delivery for business units using Excel dashboards and Power Query integration.

Data Analyst   June 2020 - Jan 2022

Techno Soft Private Limited

- Implemented advanced time-series forecasting (ARIMA, Prophet) and machine learning regression models to analyse historical patient admission trends, achieving a 24% improvement in demand prediction accuracy and reducing procurement lead times by 28%.
- Developed dynamic, Tableau dashboards integrating real-time data feeds to optimize hospital resource allocation, improving operational efficiency by 19% and reducing underutilized medical assets by 15%.
- Architected high-performance data pipelines in Azure Databricks, leveraging Delta Lake and Spark optimization techniques, reducing ETL latency by 35% and ensuring near real-time analytics for patient flow and inventory tracking.
- Optimized PostgreSQL performance with materialized views, indexing, and parallel execution, enhancing data extraction speed by 40%. Leveraged Pandas and NumPy for efficient data transformations, reducing inventory discrepancies by 14%.

- Conducted Exploratory Data Analysis (EDA) and integrated Python and SAS for predictive modeling, forecasting patient admission trends with 18% greater accuracy, optimizing staff allocation and medical supply management.
- Collaborated with cross-functional teams in an Agile environment, ensuring seamless data integration, iterative improvements, and data-driven decision-making for hospital operations.
- Extracted and analyzed clinical data from EHR and patient management systems, improving patient trend forecasting and resource allocation. Integrated healthcare tools into data workflows, enhancing supply chain efficiency and operational insights.

EDUCATION

Master of Business Analytics, Kent State University   2023 - 2025

Bachelor of Computer Science, Vardhaman College of Engineering   2018 - 2022

CORE COMPETENCIES

FP&A, Machine Learning Algorithms, Classification, Regression, Clustering, Deep Learning, Natural Language Processing, Data Cleaning, Data Transformation, Data Management, Data Analytics, Advance Data Mining, Predictive Modeling, Prescriptive Modeling, Advance Machine Learning, Data Warehousing, Time Series Analysis, Transformer Architecture, ETL(Extract, Transform, Load), Data Visualization, Team Collaboration, Problem Solving, Critical Thinking, Time Management, Adaptability, Communication, Presentation Skills, Continuous Improvement.

SKILLS

Analytics & BI: Power BI, Tableau, Looker, Amplitude, Excel (VBA, Power Query)
Programming & Data: Python, SQL, R, HTML, CSS, JavaScript, SAS
ML/AI Frameworks: Scikit-learn, TensorFlow, Keras, NumPy, Pandas, Matplotlib
IDEs: Visual Studio Code, PyCharm, Juypter Notebook
ETL & Data Warehousing: Apache Airflow, Talend, Informatica, Azure Data Factory, SSIS
Database and query Optimization: MySQL, SQL Server, PostgreSQL, Oracle, MongoDB, Window functions
Cloud & DevOps: AWS, Google Cloud Platform, Azure Data Factory, SAP, Docker, Kubernetes, Jenkins, CI/CD Pipelines
Project Tools: Git, GitHub, GitLab, JIRA, Agile/Scrum, SDLC, Waterfall, ERP

PROJECTS

Epidermis Ailment Prediction (Python, TensorFlow, Flask) Built a CNN model using TensorFlow and Flask for skin ailment classification from image data. Achieved 92% accuracy, enabling web-based real-time triage support.

Loan Prediction (Python, Scikit-learn, Random Forest)   Developed and fine-tuned machine learning models (Logistic Regression, Random Forest) to predict loan approvals from customer data, increasing the accuracy of the models and determined which model works better.

Facial Expression Recognition (Python, OpenCV, SVM, CNN) Created a live camera system to detect and classify human emotions in real time by comparing SVM and CNN models, supporting interactive user experience applications.

Tour Management System (.NET, SQL, HTML/CSS) Engineered a full-stack web app for seamless trip booking and itinerary management, integrating admin page and an intuitive user interface for enhanced travel experiences.