YASHWANTH REDDY SADALA

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PROFESSIONAL SUMMARY

Result-driven data analyst with 3+ years of experience delivering actionable insights and driving business growth in the finance and energy sectors. Expert in designing end-to-end machine learning pipelines, predictive models, and automated reporting workflows using Python, SQL, Azure, and AWS. Skilled in building dynamic Power BI and Tableau dashboards that improved forecast accuracy by 18%, boosted campaign ROI by 25%, and increased operational efficiency by up to 40%. Collaborative, Agile team player committed to translating complex data into clear, strategic recommendations for senior leadership.

CORE COMPETENCIES

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 (MySQL, PostgreSQL, SQL Server), R, HTML, CSS, JavaScript
ML/AI Frameworks: Scikit-learn, TensorFlow, Keras, NumPy, Pandas, Matplotlib
ETL & Data Warehousing: Apache Airflow, Talend, Informatica, Azure Data Factory, SSIS
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

EXPERIENCE

Data Analyst Intern Feb 2025 - May 2025
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, 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
PNC Financial Services Group

- Designed end-to-end machine learning and reporting pipelines (Python, SQL) to automate financial analysis workflows, enhancing accuracy and operational efficiency.
- Implemented predictive analytics using Azure ML and Databricks for credit risk evaluation, customer churn modeling, and financial forecasting, supporting strategic decision-making and mitigating business risks.
- Utilized advanced statistical modeling and segmentation analysis to optimize marketing spend and product profitability, achieving a 25% increase in ROI.
- Developed dynamic dashboards in Power BI for real-time financial and operational reporting, reducing manual report generation efforts by 40%.
- Led agile analytics initiatives aligned closely with financial objectives, ensuring accurate budgeting, forecasting, and timely reporting to senior management.

EDUCATION

Master of Business Analytics, Kent State University 2023 - 2025

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

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.