YASHWANTH REDDY SADALA

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PROFESSIONAL SUMMARY

Data Analyst with a Master's degree in Business Analytics and 3+ years of experience delivering actionable insights in the finance, energy and healthcare domains. Proven ability to build predictive models, automate reporting pipelines, and design BI dashboards that inform strategic decisions: improve forecast accuracy by 18%, reduce operational delays by 30%, and streamline staffing with data-driven models. Adept in SQL, Python, Power BI, Tableau, and AWS in Agile, cross-functional teams.

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 — *Reston, Virginia*

- 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 — *Hyderabad, India*

- 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.

Business Data Analyst June 2020 - Jan 2022
Techno Soft *Hyderabad, India*

- Led data-driven initiatives to streamline hospital operations by optimizing staffing and resource allocation across departments, resulting in a 30% increase in operational efficiency.
- Designed and deployed Power BI dashboards to monitor critical healthcare KPIs such as patient intake rates, bed occupancy, appointment turnaround time, and staff utilization—empowering administrators to make real-time decisions.
- Developed time-series forecasting models to anticipate patient volumes, seasonal admission trends, and emergency room traffic, reducing scheduling conflicts and wait times by 15%.
- Built scalable ETL pipelines using Informatica and Azure Data Factory to integrate EMR, claims, and lab systems for unified analytics and compliance reporting.
- Partnered with compliance teams to ensure data governance standards and HIPAA adherence in analytics pipelines.
- Delivered quarterly executive summaries to hospital leadership based on analyzed KPIs and patient satisfaction trends.
- Collaborated with IT and clinical staff to revamp the digital patient portal (HTML, CSS, JavaScript), enhancing usability and boosting digital engagement by 22%.

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.