

Meshwa J. Patel

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PROFESSIONAL SUMMARY

Entry-level Data Analyst with hands-on experience delivering end-to-end analytics and machine learning projects across finance, healthcare, and NLP domains. Skilled in Python, SQL, data visualization, and predictive modeling to uncover actionable insights from complex datasets. Strong focus on data quality, model evaluation, and responsible analytics.

EDUCATION

University of Charleston, WV

M.S. Business & Data Analytics | *Expected May 2026* | GPA: 4.0 / 4.0

GLS University, India

Bachelor of Commerce | 2023

EXPERIENCE

Data Analytics Intern - TRM Enterprise | Charleston, WV | Apr 2025 – Present

- Built predictive analytics and Power BI dashboards to analyze supply-chain and procurement data, reducing operational delays by 15%.
- Automated data extraction and reporting workflows using Python and SQL, improving decision turnaround time.
- Translated ERP data into executive-ready insights to support financial forecasting and ad-hoc analysis.

Student Assistant – Data Analytics - University of Charleston | Charleston, WV | Aug 2024 – Mar 2025

- Automated recurring financial and operational reports using Python, saving 5+ hours per week.
- Designed interactive Tableau dashboards to track cost drivers, contributing to an estimated 10% cost reduction.
- Standardized data validation and reporting workflows to improve data accuracy and consistency.

Auditing Assistant - Ajay Vansjalia & Associates | India | Jan 2023 – Jun 2024

- Conducted data-driven audit analysis using SQL, reducing financial discrepancies by 30%.
- Applied statistical analysis in R to identify risk patterns, improving audit efficiency by 25%.
- Supported compliance reviews, revenue analysis, and ERP transition initiatives.

PROJECTS

Financial Fraud Detection (Machine Learning)

- Built an end-to-end fraud detection pipeline on highly imbalanced transaction data.
- Trained Logistic Regression and Random Forest models, achieving >90% recall for fraudulent cases.
- Performed feature importance analysis and documented model limitations.

Healthcare Risk Prediction (Predictive Analytics)

- Developed predictive models to assess patient risk using structured healthcare data.
- Compared baseline and ensemble models with emphasis on interpretability and ethical considerations.
- Evaluated models using precision, recall, and F1-score to balance predictive performance with interpretability for clinical decision support.

IMDb Sentiment Analysis (NLP)

- Implemented an NLP pipeline using TF-IDF on 50,000 IMDb movie reviews.
- Trained Logistic Regression and Linear SVM models and conducted error analysis on misclassified reviews.

JPMorgan Chase – Fraud Detection Virtual Experience (Forage)

- Analyzed simulated financial transaction data to identify fraud patterns.
- Built and evaluated classification models with emphasis on recall for fraud detection.

TECHNICAL SKILLS

- Programming & Analysis: Python, SQL, R
- Data Visualization: Power BI, Tableau, Advanced Excel
- Analytics & ML: EDA, Predictive Modeling, NLP, TF-IDF, Model Evaluation
- Domains: Finance, Auditing, Healthcare Analytics

CERTIFICATIONS

Tableau (2025) | GenAI in Action (2025) | Deloitte Data/Tech/Cyber Simulations | SQL (Pearson)