

NIKITA MUDDAPATI

Data Scientist | Data Analyst | AI/ML Engineer
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SUMMARY

Data analyst and applied machine learning practitioner with 5+ years across financial services (SS&C Eze), consulting (Accenture) and academic AI research (University of Utah). MS in Business Analytics, GPA 3.8. Hands-on in Python, SQL and R for forecasting, classification, NLP and RAG pipelines, and in Tableau and Power BI for reporting. Based in Hyderabad.

SKILLS

Languages: Python (NumPy, Pandas, scikit-learn, PyTorch, TensorFlow), SQL (PostgreSQL, BigQuery, SQL Server, MySQL), R, PySpark
Machine Learning: Regression, classification (logistic, SVM, Naive Bayes), XGBoost, Random Forest, neural networks, NLP (BERT, sentence transformers), RAG and LLM workflows, time series (ARIMAX), k-means, PCA, feature engineering
Analytics & Statistics: Hypothesis and A/B testing (t, z, ANOVA, chi-squared), causal inference, forecasting, sentiment analysis, cluster and cohort analysis, ETL, data storytelling
Tools & Platforms: Tableau, Power BI, GCP, Azure, Databricks, Git, Power Automate, n8n, Salesforce, Confluence, Excel, LLMs (Claude, GPT, Gemini, Copilot), FIX protocol

EDUCATION

University of Utah, David Eccles School of Business | MS, Business Analytics (GPA 3.8/4) Jan 2024 – May 2025
GITAM University, Visakhapatnam | B.Tech, Computer Science Jun 2014 – Mar 2018

EXPERIENCE

AI Research Assistant | University of Utah, David Eccles School of Business, Remote, USA Jun 2025 – Mar 2026

- Built an automated elective-to-career-goal recommendation workflow using NLP, a RAG architecture and MS Power Automate over unstructured MBA syllabi, cutting manual recommendation effort by more than **60%**.
- Tested embedding and BERT-based models, compared performance metrics and folded in stakeholder feedback to raise recommendation accuracy.

Graduate Teaching Assistant, Business Analytics | University of Utah, Salt Lake City, USA Aug 2024 – May 2025

- Guided **40+ students** on experiment design, hypothesis testing and A/B testing to measure campaign and product impact.
- Built a PySpark pipeline on high-volume transactional data in Databricks, reducing preprocessing time by **12%**; ran clustering on Walmart customer data to surface purchase patterns for targeted marketing.

Solutions Analyst | SS&C Eze (Financial and Investment Services), Hyderabad, India Mar 2020 – Mar 2022

- Improved efficiency by **30%** through SQL and FIX-based root-cause analysis, cutting settlement-delay risk for **1,900+ buy-side firms**.
- Applied forecasting models to market data to predict trade-volume spikes; ran correlation and trend analysis on market activity, client engagement and operational KPIs in GCP to find the drivers of trade incidents and feature adoption.
- Built automated Power BI dashboards and Confluence reports with Excel pivot tables, cutting reporting time by **25%**.

Systems Analyst | SS&C Eze (Financial and Investment Services), Hyderabad, India Apr 2019 – Mar 2020

- Monitored global hedge-fund trading systems and resolved execution issues with brokers to keep trades on schedule; wrote a VBA macro to automate system-reboot alerts, cutting manual intervention by over **50%**.
- Built logistic regression models with product and R&D teams to identify drivers of trade breaks and enable proactive risk alerts.
- Awarded **Best Associate of the Quarter** for 100% client-service accuracy while leading APAC, EMEA and NOAM case management.

Analytics Development Associate | Accenture (Consulting), Hyderabad, India Jul 2018 – Mar 2019

- Analyzed Carlsberg sales data with Pandas and SQL Server to identify high-performing SKUs and underperforming regions, working with the product manager and sales leads.
- Built a customer lifetime value and churn prediction framework to guide pricing and promotions, driving a **6% lift** in retention.

PROJECTS

Swire Coca-Cola: Growth Optimization Analysis Apr 2025

Found an optimal 300-gallon threshold through ETL pipelines and predictive modelling, adding \$26,477 in annual revenue; raised growth-ready customer share from 4.12% to 5.27% and built Tableau dashboards to weigh growth against delivery cost.

Home Credit: Loan Default Risk Dec 2024

Reached 98% AUC and 0.91 recall predicting loan defaults with a tuned gradient boosting model on 37.5M+ records.

Ames Property Price Prediction 2024

Cut pricing error by \$26,559 with a neural-network model; segmented the market with outlier detection, PCA and k-means.

Super Bowl Game Day Challenge 2024

Analyzed about 175K tweets on 2024 Super Bowl ads with sentiment analysis and time-series forecasting in R, SQL and Python; reported top commercials, ad-timing effects and advertising ROI in Tableau.

CERTIFICATIONS & AWARDS

Tableau (Coursera) • Strategic Business Analytics (ESSEC) • Marketing Analytics (ESSEC) • MySQL for Data Analytics (Udemy)
• Power BI (DataCamp) • Best Associate of the Quarter, SS&C Eze