KOMAL NAIDU

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EDUCATION

Georgia State University, J. Mack Robinson College of Business — Atlanta, GA
MS in Data Analytics — Fall 2025

Mumbai University, Sies College of Commerce and Economics — Mumbai,India
Master of Commerce — November 2019

EXPERIENCE

Research Project — Atlanta, USA
Graduate Research Assistant — September 2024 - Present

- Led a team to analyze real estate trends for 1,000+ properties, leveraging Python, SQL, and Tableau to deliver actionable insights.
- Applied Random Forest and Linear Regression models with 85% accuracy to optimize investment strategies, driving a 20% improvement in decision-making efficiency.

Capgemini — Mumbai,India
Financial Analyst - Bharat Petroleum Corporation Limited — July 2021 - October 2022

- Streamlined BPCL's financial operations by automating 100k+ SAP entries and reconciling $5M+ transfers, using advanced Excel to improve accuracy and simplify processing time.
- Developed 50+ in-depth reports on purchase and payment trends using SQL, Python, and Tableau, boosting financial insights and operational efficiency by 20%.

International Justice Mission — Mumbai,India
Finance Intern — March 2018 - September 2018

- Tracked per diem for 50 employees and managed financial entries in QuickBooks, ensuring 98% audit readiness.
- Performed data analysis in Excel to reconcile accounts, reducing errors by 25%.

SKILLS

- Programming: Python (NumPy, Pandas, Seaborn, Matplotlib, Sci-kit Learn), SQL.
- Data Analysis & Visualization: Tableau, MS Excel, R-Studio, Power BI.
- Machine Learning: Random Forest, Decision Trees, SVM, Linear Regression, Classification, Clustering.

PROJECTS

E-commerce Recommendation System: — September 2024 - Present

- Engineered collaborative filtering recommendation models, achieving 95% precision and reducing prediction error by 20%.
- Leveraged clustering with K-means to segment customers and improve personalization.

Real Estate- USA- Predictive Model: — November 2024 - Present

- Built predictive models (Random Forest, XG-Boost) with 85% accuracy to identify high-value properties.
- Performed EDA with Pandas and Seaborn, revealing price trends and demand patterns, boosting investment decision accuracy by 20%.

Fly-wise Airline - Root Cause Analysis — October 2024 - Present

- Analyzed delays caused by weather and late aircraft, diminishing average delay times by 15% through scheduling optimization.
- Built regression models with 64.4% accuracy for on-time flights.