ROHITH KRISHNAMURTHY
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PROFESSIONAL SUMMARY

Data Scientist with 4+ years of experience in **fraud detection** and **predictive modeling** using **machine learning** and **deep learning techniques**. Proven expertise in **Python**, **SQL**, and **big data technologies** has enhanced fraud detection accuracy by 90% and improved operational efficiency by 25%. Skilled in developing and deploying **MLOps solutions** for real-time analysis of financial transactions, with transferable skills to **tax technology environments**. Experience translating complex analytical findings into actionable business insights for cross-functional stakeholders.

TECHNICAL SKILLS

- **Database & Query Languages**: SQL (MySQL, PostgreSQL, MS SQL Server), NoSQL, **Data Warehousing**, ETL Processes
- **Programming & Analysis**: **Python** (Pandas, NumPy, scikit-learn, TensorFlow, PyTorch), R, **Statistical Analysis**, A/B Testing
- **BI & Visualization Tools**: Tableau, **Power BI**, Advanced **Excel** (VLOOKUP, Pivot Tables, Macros), Google Analytics
- **Data Engineering**: ETL Pipelines, Data Modeling, **AWS**, **Snowflake**, MLflow, Apache Airflow
- **Machine Learning**: Predictive Modeling, Classification, Regression, **Time Series Analysis**, **Anomaly Detection**
- **Business Skills**: Stakeholder Management, **Agile Methodologies**, Technical Communication, Process Optimization

PROFESSIONAL EXPERIENCE

Boston New Technology | Chief of Operations and Data Strategy | Dec 2023 – Dec 2024

- Developed 10+ **interactive Tableau dashboards** that monitored key performance metrics, leading to 20% increase in event attendance and 15% improvement in operational efficiency
- Analyzed attendance data of 5,000+ participants to identify engagement patterns, applying **statistical analysis techniques** that increased retention by 22%
- Implemented automated data collection processes that reduced reporting time by 35% and improved data accuracy by 40%
- Orchestrated data-driven resource allocation strategies that reduced operational costs by $50,000 annually
- Led cross-functional team of 8 members to develop and implement operational improvements based on analytical insights

Capgemini | Senior Data Analyst (Associate Consultant) | Apr 2022 – Oct 2022

- Created 15+ **machine learning and deep learning models** (including RNN and LSTM) with **Python** to identify fraud patterns in over 10M **financial transactions**, enhancing detection accuracy by 90%
- Developed 8 interactive dashboards using **Tableau** that reduced executive reporting time by 40% and provided real-time KPI tracking
- Optimized **ETL pipelines** for financial data processing using **Hadoop** and **Spark**, improving data quality by 28% and reducing processing time by 45%
- Conducted A/B testing on user experience changes, utilizing **statistical analysis** to increase conversion rates by 18% across digital platforms and supporting data-based decision making
- Implemented **model risk management** protocols to ensure model accuracy, stability, and compliance with industry standards

Capgemini | Data Analyst (Software Engineer/Senior Software Engineer) | Mar 2019 – Apr 2022

- Engineered **financial risk prediction system** that processed 200K+ daily transactions, improving risk mitigation by 30%
- Built data integration frameworks with **AWS** and **Snowflake** that reduced data latency by 35% across 5 enterprise systems and supporting a robust **data warehouse**
- Optimized SQL and Hive queries for terabyte-scale databases, improving query performance by 40% and reducing report generation time by 65%
- Created predictive models that forecast customer behavior with 85% accuracy, enabling proactive fraud prevention strategies
- Standardized reporting processes across 3 business units, ensuring consistent KPI measurement and data governance

EDUCATION

- **Master of Professional Studies**: Analytics, Northeastern University, Boston (GPA: 4.0) | Sep 2023 - Mar 2025
- **PG Diploma**: Data Science, IIIT, Bangalore (GPA: 3.4) | Sep 2018 - Sep 2019
- **Bachelor of Engineering**: Computer Science Engineering, Anna University, India (GPA: 3.2) | Aug 2014 - May 2018

RELEVANT PROJECTS

Advanced Financial Risk Prediction System | Jan 2024   **GitHub Link**

- Developed ML models using **XGBoost** and **LSTM** that improved loan approval accuracy by 15% for a dataset of 500K+ transactions
- Created SQL optimization framework that reduced processing time by 40% for terabyte-scale financial data analysis
- Implemented automated model retraining pipeline using **MLflow** that maintained 92% prediction accuracy over time
- Designed interactive dashboard that visualized risk factors for non-technical stakeholders, increasing adoption by 65%

Taxi Service Optimization & Analytics Platform | Oct 2023   **GitHub Link**

- Built **real-time analytics platform** monitoring 12+ critical metrics across NYC taxi operations, identifying key efficiency patterns.
- Developed custom **Python libraries** with Pandas and Scikit-learn for taxi trip data analysis, reducing processing time by 60%.
- Implemented **predictive models** using Random Forest and Gradient Boosting that forecast demand with 90% accuracy.
- Created **interactive Streamlit dashboards** that visualized KPIs and alerted management to anomalies 24 hours in advance.

CERTIFICATIONS

Tableau Desktop Specialist – Certified by Tableau (Jun 2021) | **Google Certified Data Analyst** – Specialty | In Progress