SUMIT CHAUDHARY

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Profile Summary

Aspiring fintech and analytics professional with a Master's in Quantitative Finance from UB (Dec 2025) and a BBA from DY Patil University. Experienced in financial modeling, forecasting, and risk analysis, with proven impact at Amazon Skilled in Python, SQL, Excel, Power BI, Tableau, and Bloomberg. Certified in analytics and finance through Wharton and Bloomberg programs. Seeking data-driven roles in FP&A, fintech, or risk analytics.

EDUCATION

University at Buffalo, The State University of New York (UB) , Buffalo , New York
Master of Science in Quantitative Finance – Fintech Track (STEM-designated) Dec 2025

DY Patil University School of Management , Mumbai , India
Bachelor of Business Administration July 2020

WORK EXPERIENCE

Data Analyst /Transportation Specialist | Amazon| Hyderabad, India | Nov 2021 – July 2024

- Developed and executed data-driven strategies to optimize workforce allocation using excel based demand/ supply models powered by VLOOKUP to dynamically match role capacity with shift requirements. Demonstrated strong analytical thinking and operational decision-making.
- Enhanced financial forecasting accuracy by integrating real-time SQL outputs with Excel dashboards using Power BI, improving the agility of strategic planning cycles through effective use of statistics.
- Conducted ad-hoc analysis and fraud detection through SQL-driven transaction reviews, contributing to reduction in financial anomalies and stronger compliance controls.
- Collaborated cross functionally with logistics and finance leads to analyze capital spend and track cost drivers, directly supporting monthly operational reporting. Acted as a proactive team player in cross-departmental initiatives.
- CRO (Pilot Project) – Container Repositioning Optimization
- Utilized data driven predictive analytics to forecast container demand and optimize transit routes, improving efficiency by 15% and cutting operational costs by 12%. Achieved a 10% reduction in transportation costs through improved tracking and resource allocation.
- Fraud Detection in Carrier Payment System (Fraud Detection Project),
- Designed and implemented a SQL-driven analytics solution to detect anomalies in freight carrier claims, exporting findings to Excel for pattern evaluation via pivot tables and conditional logic.
- Conducted authenticity validation using GPS and yard activity data, mapped into Excel with VLOOKUP cross referencing and exception reports to identify irregular $175 "No Empty" claims.
- Automated report generation with VBA-based macros, expediting weekly fraud intelligence reporting and reducing investigative turnaround time.

Graduate Sales Trainee |Valued Epistemics Private Limited | India | Mar 2021 – Oct 2021

- Boosted revenue by 7% through strategic lead qualification and data-driven pricing optimization, ensuring tailored solutions for clients.
- Enhanced lead conversion rates by 15% by conducting performance analysis, identifying key trends, and refining acquisition strategies.

PROJECT's - Portfolio (https://sumit3178.github.io/Sumit-Portfolio/)

Portfolio Risk Modeling with Value at Risk (VaR) – Python

- Engineered a risk model in Python (Pandas, NumPy, SciPy) to quantify the market risk of a $1M technology stock portfolio consisting of AAPL, GOOGL, and AMZN
- Calculated 1-day VaR at 95% and 99% confidence intervals using parametric (Variance-Covariance) and non-parametric (Historical Simulation) methods
- Interpreted VaR outputs to estimate maximum expected loss under normal market conditions, supporting risk management decisions

Credit Risk Assessment Model (Python & SQL)

- Developed a credit risk assessment model using logistic regression and decision trees to evaluate borrower creditworthiness, improving credit loss forecasts.
- Enhanced the model's accuracy by 18% and integrated a Power BI dashboard to visualize credit scores, default risk trends, and key risk drivers, providing valuable insights for strategic credit decision-making and portfolio management.

Loan Default Predictor – Machine Learning (Python)

- Developed a supervised learning pipeline using Logistic Regression and Decision Tree classifiers to predict borrower default risk with up to 91% accuracy
- Trained and validated models on 32,000+ loan records, optimizing performance through feature engineering and hyperparameter tuning
- Visualized model diagnostics using ROC curves, confusion matrices, and feature importance to support risk-based lending decisions.

AML Risk Scoring Pipeline – SQL

- Rule-based SQL pipeline for Anti-Money Laundering (AML) compliance. Flags suspicious transactions using risk scoring logic and summarizes sender behavior.
- Risk scoring based on amount, currency mismatch, and cross-border activity.

SKILLS

Programming & Tools: Python, SQL, Advanced Excel, SAS, VBA, Power BI, Tableau, Bloomberg Terminal.
Quantitative & Risk Modeling: Monte Carlo simulations, Stress testing, VaR, Credit risk modeling, Portfolio optimization
Analytics : Financial modeling & forecasting, fraud detection, interactive dashboards, Compliance and reporting
Financial Analysis , Mathematics , Statistics ,

CERTIFICATIONS

Bloomberg Market Concepts| Bloomberg| Oct 2024
Bloomberg Finance Fundamentals|(BFF)| Oct 2024
Credit Analyst| Standard Chartered | Nov 2024
Markets Quantitative Analysis (MQA)| Citi | Aug 2025