ASHWANI MITTAL

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EDUCATION

Master of Science: Financial Technology & Analytics (Academic Excellence Scholarship)   **08/2024**
The University of Texas At Dallas – Richardson, TX

PG Diploma in Finance Management   **08/2022**
Himalayan University, India

Bachelor of Computer Applications   **05/2021**
Veer Narmad South Gujarat University, India

SKILLS

- **Tools:** SQL, Python, Tableau, Excel, Power BI, PowerPoint
- **Techniques:** Financial Analysis, Reporting and Analysis, Ad-hoc Analysis, Dashboarding and Storytelling, Metrics Tracking, Process Improvement, Database Management, Database Querying, Stakeholder Management, Budgeting and Forecasting
- **Certifications:** IBM Data Science Professional, IBM Data Analyst Professional, IBM Data Engineering Professional, Complete Financial Analytics 2023(Udemy), Google Cybersecurity Professional

WORK HISTORY

Financial Analyst, ATM Capital, India   **01/2021 - 08/2022**

- Conducted comprehensive analysis of stock market data using Excel, Python, and SQL, resulting in optimized data pipelines and actionable insights for portfolio management.
- Implemented data cleansing, transformation, and aggregation processes, improving data quality and enabling more accurate financial modeling.
- Collaborated closely with investment teams to understand data requirements and develop scalable solutions for portfolio analysis and risk management.
- Designed algorithms and automated processes to analyze market trends and forecast investment opportunities, contributing to enhanced portfolio performance and risk mitigation.
- Developed and implemented financial models using Python and SQL to provide strategic investment recommendations, leading to over $1M in annual brokerage revenue.
- Created and maintained interactive dashboards using Tableau and Power BI, enabling stakeholders to visualize and interpret complex financial data effectively.

Business Data Analyst, Sonal Gems, India   **04/2015 - 06/2018**

- Implemented a centralized vendor information system, enhancing data accuracy and retrieval efficiency by 15% through effective data integration strategies and automation using SQL and ETL tools.
- Developed automated invoicing processes using Excel and SQL, reducing errors by 20% and speeding up processing time by 30%, ensuring seamless data flow and integrity.
- Captured, validated, and processed data for monthly financial reports (P&L statements, balance sheets, cash flow statements) using advanced Excel and SQL, leading to a 10% increase in financial reporting efficiency.
- Assisted with analysis, design, and testing of report enhancements, contributing to a 15% increase in forecast accuracy.
- Conducted trend analysis and presented findings through dashboards, aiding strategic decision-making, resulting in a 12% improvement in cost management and a 10% increase in market share.
- Analyzed customer purchasing behavior with Python & SQL, provided insights for marketing campaigns & increased customer retention by 8%.
- Designed interactive dashboards in Tableau and Power BI to track KPIs, sales performance, and inventory levels, improving inventory turnover by 25%.
- Designed interactive dashboards in Tableau and Power BI to track KPIs, sales performance, and inventory levels, improving inventory turnover by 25% and providing actionable insights for operational efficiency.
- Created ad-hoc reports and visualizations for management, facilitating quick decision-making and resulting in a 15% increase in operational efficiency.

PROJECTS

Machine Learning Project: Credit Risk Modeling, Write-off Prediction:

- Developed Python-based Credit Risk Model using Neural Networks and XGBoost on 1.5M records and achieved AUC score of 0.942, indicating high predictive accuracy.
- Implemented conservative and aggressive default prediction strategies, projecting revenue impacts up to $1.643B and presented actionable insights for improved risk management and strategic decision-making.

Financial Analysis Project: Financial Reporting & Investigations

- Developed Python program using SEC API for horizontal and vertical analysis of Southwest Airlines' 10-K and 10-Q filings.
- Extracted and analyzed financial data to identify trends and insights crucial for strategic decision-making.
- Applied advanced financial analysis techniques to interpret SEC filings and assess financial performance.

Exploratory Data Analysis Project: Market Research & Customer Segmentation:

- Conducted market share analysis on domestic car sales data using Tableau to create interactive dashboards.
- Developed actionable sales strategies based on insights derived from data visualization and exploratory data analysis.
- Applied financial analytics to identify trends and opportunities for optimizing market penetration and customer segmentation.

Data Analysis Project: Databases and SQL for Data Science with Python

- Utilized SQL to analyze datasets from the Chicago Data Portal: Socioeconomic Indicators, Public Schools, and Crime Data.
- Answered key questions through SQL queries.

Python Project: Beta Analysis of Stock Portfolio with S&P and Risk-Free Rate

- Conducted beta analysis of a stock portfolio using Python, comparing it against the S&P 500 and the risk-free rate.
- Calculated beta values to measure the volatility of individual stocks relative to the market.
- Used statistical methods and Python libraries (e.g., pandas, numpy, matplotlib) for data processing, visualization, and analysis.
- Provided insights into portfolio diversification and risk management based on beta values.