VINEETH ADAPA

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PROFESSIONAL EXPERIENCE

BOSTON CONSULTING GROUP **Feb 2025**

Data Analyst *(Job Simulation)*

- Developed SQL- based data validation pipelines, improving financial data integrity by 40% and reducing inconsistencies in 10-K and 10-Q reports.
- Automated financial data extraction processes, cutting manual processing time by 40% and enabling real-time insights for stakeholders.
- Built Power BI dashboards, enhancing financial trend analysis and accelerating decision-making by 20%.
- Performed impact analysis on data discrepancies, identifying patterns that boosted chatbot accuracy by 30% in extracting key financial insights.

PWC SWITZERLAND

Data Analyst *(Job Simulation)* **Feb 2025**

- Built predictive models that improved cash flow forecasting accuracy by 25%, enhancing financial planning.
- Analyzed medical data from over 500 patient records, identifying key trends in adverse effects and medication efficacy.
- Developed valuation models, increasing financial reporting efficiency by 30%.
- Created visual dashboards in Power BI, reducing data retrieval time for analysts by 50%.

COGNIZANT TECHNOLOGY SOLUTIONS **Jan 2022**

Junior Data Analyst *Hyderabad,INDIA*

- Developed an interactive Power BI dashboard that provided real-time business insights, reducing manual reporting efforts by 60% and accelerating data-driven decision-making..
- Designed a Python-based automation pipeline that streamlined data cleansing and transformation, reducing processing time to under 10 minutes, saving 200+ work hours annually.
- Optimized SQL queries to enhance data retrieval speed by 80%, significantly improving report generation efficiency and supporting faster business analysis.
- Collaborated with cross-functional teams, translating complex data insights into actionable business strategies, contributing to a 30% improvement in operational efficiency.

TECHNICAL SKILLS

Programming Languages:	Python, R, SQL, SAS, JavaScript, JavaScript, C#, .NET
Databases and Visualization:	MySQL, PostgreSQL, Power BI, Tableau, Excel.
Data Platforms & Cloud Tools:	Azure(Databricks, Data Factory, Synapse), Apache Spark, Snowflake, ETL

EDUCATION

UNIVERSITY OF MARYLAND BALTIMORE COUNTY Baltimore, MD

Master's in Management Information Systems **Dec 2024**

Relevant Coursework: *Advanced Database systems, Data Mining, Predictive and statistical modeling*

PROJECTS

BOND YIELD PREDICTION USING MACHINE LEARNING | Data Collection, Forecasting models, Python

- Designed a predictive model for US 10-year Treasury bond yields by integrating influential economic indicators such as the Federal Funds Rate, Industrial Production Index, Consumer Price Index, and Volatility Index.
- Leveraged ARIMA, LSTM, and MLP models to conduct multi-step forecasting, enhancing predictive performance through parameter tuning and feature engineering.
- Improved forecasting accuracy by 10% and reduced RMSE by 15%, achieving consistent bond yield predictions.
- Applied model validation techniques, including cross-validation and error metrics analysis, achieving 90% accuracy in bond yield forecasts

DATA QUALITY & VALIDATION FRAMEWORK | Data Preprocessing, Machine learning, Python

- Designed and implemented a SQL-based data validation pipeline, identifying and correcting missing, duplicate, and inconsistent health records, improving overall data integrity by 35%.
- Automated anomaly detection and data cleansing using python and SQL, reducing manual processing time by 40% and ensuring high-quality inputs for analytics.
- Built a Power BI dashboard to monitor data quality metrics in real-time, improving issue detection and resolution efficiency.

RESUME ANALYSER USING SPACY | NLP, Machine Learning, Python

- Built a robust resume parsing system, processing over 1,000 resumes with 94% precision, utilizing state-of-the-art NLP models.
- Designed a personalized career advancement tool, increasing resume relevance by 40% with automated, tailored course recommendations.
- Refined the resume evaluation framework, reducing processing time by 50% and improving feedback accuracy.