

Rahul Vijayvargiya

PRODUCT DEVELOPER

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Profile Summary

Experienced BI Developer and Product Developer with over 3 years of expertise in data analytics and business intelligence, delivering solutions for leading financial institutions like Citibank, Credit Suisse, and Virtusa. Skilled in ETL, Data Modeling, Reporting Automation, and Dashboard using Python, SQL, SDLC, and Tableau.

I drive data governance, risk management, and compliance initiatives. Adept at leading cross-functional teams, managing multiple work-streams, and communicating insights to senior stakeholders, I excel in Agile environments to deliver impactful results.

Experience

Citibank | Product Developer

04-2024 - Present

- Develop end-to-end data lifecycle products, including data app, data engineering, processing, Analysis and visualization.
- Created scalable data models, build reports, and dashboards to deliver actionable insights for business decision-making.
- Collaborate with cross-functional teams to ensure data cleanliness, reliability, and compliance.
- Optimized BI processes for performance, delivering impactful visualizations to support strategic decisions.

Virtusa | Consultant

11-2022 - 03-2024

- Developed and maintained reporting tools, creating automation solutions and distributing KPI's and reports.
- Documented progress and provided performance analytics to support business decision-making.
- Delivered efficient, accurate reporting and analytical solutions for management and product mandates.
- Implemented ETL tools and data pipelines to automate data delivery, enhancing tool efficiency and reporting processes.

Credit Suisse | Business Intelligence Developer

11-2021 – 11-2022

- Automated the generation of reports from scratch and published them using Python, enhancing reporting efficiency.
- Developed new Tableau reports and optimized existing ones, leveraging Tableau Rest API with Python to automate the generation and publishing of Tableau extracts.
- Crafted complex SQL queries to support investment management solutions and performance analytics for products and mandates.

- Combined technical and industry-specific knowledge to efficiently and accurately provide valuable reporting and analytics,,supporting business decision-making.

Education

Politechnika Wroclawska | BS Applied Computer Science

2017 - 2023

Major: Data Science

Saint Patrick School | Science and Mathematics

2014 - 2016

Major: Mathematics, Science

Skills & abilities

- **Programming Languages:** Python, SQL, HTML, CSS
 - **BI & Visualization Tools:** Tableau, Power BI, Tableau Prep
 - **Data Technologies:** Data Warehousing, ETL, Data Analysis, Data Visualization, Data Modeling, GCP, Azure, SSIS, SSAS, PySpark, DataBricks, Apache Airflow, Big Query, Oracle, SQL Server, Presto, Impala, Flask, Streamlit, Django, Sklearn, Tensorflow
 - **Analytics & Modeling:** EDA, Predictive Modeling, Statistical Analysis, Time Series Forecasting
 - **Version Control & Tools:** Git, Bit Bucket, Confluence, JIRA
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Certificates

- [Foundations for Big Data Analysis with SQL](#)
- [Google Cloud Big Data and Machine Learning Fundamentals](#)
- [IBM Enterprise Design Thinking Practitioner](#)
- [Azure DP-900 Data Fundamentals](#)
- [Azure AZ-900 Azure Fundamentals](#)

Project

System supporting Real Time stock prediction based on Textual and Numerical Data Streams:

Implemented RNN, LSTM, and XG-Boost with Tensorflow and Sci-kit learn to predict stock prices in realtime, and perform sentiment analysis on business news from finviz and tweets from Tweepy using NLTK.

I created a web application using Streamlit that includes a mechanism to indicate how news affects stock prices and can forecast stock prices for the next day. My system supports over 50 companies, index funds, and crypto coins.