

# Vinay Kiran

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## TECHNOLOGY & SKILLS

- **Programming Languages:** Python (Pandas, Beautiful Soup, NumPy, Matplotlib, Seaborn, scikit Learn), Scala, SQL.
- **Databases:** MySQL, PostgreSQL, Snowflake.
- **Visualization Tools:** Tableau, MS EXCEL ((VLOOKUP, Pivot Table's, Macros, Data manipulation)
- **Cloud Services:** Amazon Web Services, Microsoft Azure.
- **Financial Operations:** Fixed Income products, Reconciliations, Portfolio Management.
- **Financial Tools:** Bloomberg, DTCC, Market wire.
- **Soft Skills:** Strong Interpersonal and communication skills, Problem solving and timely follow through.

## EDUCATION

**Pace University, Seidenberg School of Computer Science and Information Systems**

**New York, USA**

MS in Data Science | **Concentration:** Data Analysis, Visualization & Machine Learning | **GPA:** 3.71/4

May 2023

**Gandhi Institute of Technology and Management**

**Andhra Pradesh, India**

Bachelor of Technology in Electronics and Communication Engineering | **GPA:** 8.38/10

Apr 2021

## WORK EXPERIENCE

**Company: Natsoft Corporation**

**Sep 2023 - Dec 2023**

**Role: Data Ops Analyst**

**New Jersey, USA**

- Orchestrated the completion of annual and quarterly reports, providing key metrics to stakeholders and improving transparency by 30%.
- Handled corporate action events including mandatory and voluntary actions, ensuring smooth dividend and coupon processing.
- Performed income reconciliation for dividends and coupons, improving accuracy by 30%.
- Enhanced financial modeling techniques using SQL, leading to a decrease in report turnaround time by 25%.
- Utilized Financial Analysis skills to interpret financial data and presented findings through Tableau visualizations.
- Leveraged Bloomberg Terminal to facilitate real-time reporting, strengthening investor relations.

**Company: Natsoft Corporation**

**Sep 2021 – Jan 2022**

**Role: Junior Data Analyst Trainee**

**Hyderabad, India**

- Developed and maintained financial databases, streamlining data management processes and reducing errors by 30%.
- Assisted in the preparation of financial forecasts and budgets, resulting in a 10% increase in accuracy and a 5% increase in profitability.
- Worked closely with portfolio managers, traders, risk management teams, and other counterparts for seamless clearance of settlement exceptions.
- Documented standard operating procedures for critical data processes, improving training.
- Utilized risk mitigation strategies to resolve discrepancies between trading desk position and firm's books and records; received positive end-of-year feedback.
- Engaged in the development of Code & peer review of assigned tasks and Bug fixing.

## ACADEMIC PROJECTS

**British Airways Analysis - Web Scraping**

**Jun 2023**

- Scraped over 1000 customer reviews from Skytrax website using Python library Beautiful Soup and conducting sentiment analysis, revealing trends: 48.9% positive and 43.2% negative and 7.9% neutral sentiments.
- Prepared customer booking dataset for predictive modeling by identifying key variables like purchase lead time, route, flight hour, and length of stay.
- Crafted a Random Forest model in Python predicting customer bookings with 85% accuracy, evaluated model and feature importance, identified improvements by adding promotional offers, payment type.

**Time Series Forecasting Using FB Prophet**

**May 2022**

- Analyzed Kaggle data on sunspot counts and implemented Time Series Forecasting using FB Prophet in Python.
- Cleaned and prepared the data, conducted exploratory data analysis, and predicted future sunspot counts with a mean absolute percentage error of 4.40.

## **CERTIFICATIONS**

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- Snowflake -BUILD 2023 LLM Bootcamp – Snowflake **Dec 2023**
- Agile Methodology Virtual Experience Program – Cognizant **Jun 2023**
- Data Science Virtual Experience Program – British Airways **Jun 2023**
- Azure Data Fundamentals - Microsoft **Apr 2023**
- Tableau Desktop Specialist- Tableau **Mar 2023**
- Google Data Analytics -Coursera **Nov 2022**