Arish Bhayani
Data Analyst

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Linkedin Profile
Github Profile

EDUCATION

Rochester Insitute of Technology
Master of Science, Information Technology and Analytics, GPA: 3.78/4.00   Aug 2021 — May 2024

University of Mumbai
Bachelor of Engineering, Information Technology, GPA: 3.6/4.00   Aug 2017 — Jun 2021

EXPERIENCE

Rochester Institute of Technology   **Rochester, NY**
Data Analyst   Jan 2023 — Current
- Managed large, complex data sets using *Python and Pandas*, saving *10+ hours monthly* for *25 RIT departments*
- Automated monthly reports using *Excel, VBA and Python* to meet functional/non-functional business requirements, enabling thorough financial analysis across divisions
- Presented detailed analysis to the Subject Matter Experts of Financial Planning, showcasing *ownership of 200+ project dashboards, organizational and project management skills*
- Designed and maintained interactive PowerBI dashboards, elevated data analysis for cross-functional teams, and *exclusively responsible for their design, maintenance, and presentation*

Conversenow Technologies INC.   **Rochester, NY**
Data Analyst   Jul 2022 — Dec 2022
- Developed dynamic dashboards using *Google Data Studio* and retrieved information from a *Google Cloud data warehouse using ETL capabilities* to enhance real-time AI-driven order monitoring for *10+ restaurants*
- Led projects, achieving an 80% `accuracy` boost in AI speech recognition by utilizing *Metabase*, customer utterance dashboards, and thorough data analysis, while maintaining full dashboard ownership.
- Optimized latency reporting in *Looker* by extracting and visualizing customer data from *Snowflake DB*, significantly improving AI close rates to *96%, leading the dashboard's effectiveness*
- Exclusively managed data preparation dashboard, collaborating with cross-functional Agile teams and the AI-Research Team, resulting in an *87% accuracy increase* for NLU models

PROJECTS

American Sign Language Image Recognition using CNN (code)
- Developed and trained a Python-based model using Scikit-Learn and OpenCV to accurately detect hand gestures and respond with corresponding alphabets; reduced response time by *40% and achieved 95% accuracy in real-time recognition*.

Stock Price Portfolio Analysis (code)
- Devised a *Python-based stock price portfolio analysis*, implementing data retrieval and visualization with *Matplotlib and Seaborn* to create insightful graphical representations of stock data
- Allocated the portfolio, with *15.17% to AAPL, 22.83% to GOOGL, and 62.01% to MSFT*, demonstrating proficiency in deriving insights from *financial data* and harnessing advanced techniques, including *Monte Carlo analysis*, for informed investment decisions.

Product Recommendation using Resnet (code)
- Implemented a product recommendation system with *87% accurcy* utilizing *Resnet*, enhancing user experience in the fashion domain and hosted on a webapp using *flask*.

Weather Data Visualization (code)
- Effectively visualized weather data by fetching real-time information from *APIs* and utilizing *Matplotlib* for data visualization.

NYC House Price Prediction (code)
- Enhanced *Python-based OLS* (Ordinary Least Squares) models, including *quadratic, decomposition, and ARIMA models*, for house price prediction in NYC.
- Conducted extensive *statistical* testing to assess model accuracy, ultimately choosing the top-performing OLS model with a remarkable *93% accuracy* rate and using it to generate predictions for production purposes.

SKILLS

Languages	Python, R, XML, SQL, Google Big Query
Databases	Oracle, MySQL, PostgreSQL, MongoDB, SnowFlake DB, Google Cloud Platform
Dashboards	Tableau, PowerBi, Looker, Google Data Studio, Metabase
Tools/Technologies	Flask, React, FastAPI, Pandas, NumPy, Git, Postman, Jira, Pymongo, BigQuery Client, Microsoft Office
Soft skills	Collaborating and Teamwork, Agile development