

Vinay Burhade

Newark, NJ 07032 📞 201-616-6667 ✉️ vb336@njit.edu 🔗 linkedin.com/in/vb5395 🐙 github.com/vinay5395b

Aspiring Data Scientist/Analyst experienced at analyzing & visualizing data, creating data regression models, using predictive data modeling to deliver insights and implement solutions to complex business problems.

EDUCATION

- **New Jersey Institute of Technology (2018-2020) | MS in Information Systems (Data Analytics) | 3.67/4.0**
- **Maharashtra Institute of Technology (2013-2017) | B.E in Computer Engineering**

TECHNICAL SKILLS AND TOOLS

- **Programming/Database:** Python (NumPy, Pandas, Matplotlib, SkLearn, StatsModels, SciPy, NLTK, TensorFlow, Keras, BS4), R (Data Science, ML), C++, MySQL, MS SQL, MongoDB, Spark (PySpark, MLLib), HTML/CSS
- **Tools and APIs:** Tableau, PowerBI, QlikView, QlikSense, Google Analytics, Rapid Miner, Alteryx, SAS JMP, SAP NetWeaver, SAP Business Objects, Bloomberg Terminal, Google Dialogflow

EXPERIENCE

BI Analyst Intern | IFundCo, NYC | 2019/09-Present

- Working in a fast-paced start-up environment. Scraping documents with hundreds of thousands of transactions for pattern recognition and trend analysis, transaction mining and fraud detection (Python).
- Leveraging BI tools like Tableau, QuickBase to create interactive and dynamic dashboards for making strategic business decisions. Collaborating on new initiatives for portfolio management and risk team.
- Working alongside CFO to give insights on the business data and reporting to the revenue operations department.

Graduate Researcher (Machine Learning) | NJIT | 2019/05-2019/09

- Part of a research project for Military Surgical Assistance. Used Pose Estimation technique for mapping a model on human body in real time. Used Unity 3D for configuration and development to support mixed reality devices and MobileNetv2 for pose estimation.

Research Assistant (Data Analyst) | NJIT | 2018/09-2018/12

- Assisted a Traffic data analysis project. Gained meaningful insights and conclusions using data analysis and visualizations. Cleaned and pre-processed data for analysing tasks. Created interactive dashboards using visualization tools like Excel and Tableau.

Programmer Analyst Trainee | COGNIZANT | 2017/12-2018/06

- Fetched millions of bytes of client data, modelled and analyzed it using SAP BI module.
- Created reports and dashboards using SAP Business Objects (Lumira, Business Explorer, Crystal Reports).
- Increased accessibility and usability of customer data by redesigning data visualization techniques to include statistical graphs and information graphics.

PROJECTS

- **Movie Recommender:** Applied Item Based Collaborative filtering on an IMDB movie dataset (MovieLens) with around 100k movies and corresponding user reviews. Built a recommender system specific to each user based on the ratings for each movie which has already been rated by the user using correlation.
- **Alcohol Sales Forecasting (Time Series Analysis):** Performed time series analysis using Python TSA lib on a real-world business sales dataset with more than 20 years of data. Used seasonal decomposition to analyze seasonality trends (SARIMAX). Achieved around 95% accuracy using RNN with LSTM model.
- **Twitter Sentiment Analysis:** Classified racist and non-racist tweets with NLTK, WordCloud, BagOfWords, TFIDF, Word2Vec, etc. in Python. Compared different models like Random Forests, XGBoost, Logistic Regression, KNN, SVM for best accuracy. Achieved 70% classification accuracy and F-1 score of 69% using SVM.
- **Tableau Projects:** <https://public.tableau.com/profile/vinay.burhade>

TECHNOLOGY SUMMARY

Certifications/Online Courses: Python for Machine Learning and Deep Learning, Machine Learning with R, Tableau Advanced Training, Bloomberg Market Concepts, Microsoft Technology Associate

Work authorization- F-1. Need sponsorship after expiration.