

VAIBHAV VIKAS GAIKWAD

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EDUCATION

Master of Science in Applied Data Science, Current GPA - 3.89/4 Syracuse University, USA
Bachelors in Computer Engineering, GPA - 7.92/10, University of Mumbai, India

May 2025
June 2022

EXPERIENCE

Tech Cryptors, Thane, India

March 2020 – May 2020

Data Analytics Intern

- Trained in various data analytics tools such as R, Python on Spyder and Tableau.
- Worked on several mini projects which required analyzing the given datasets and draw insights from it using Python and its libraries such as NumPy and Pandas.

The Sparks Foundation, (Remote)

February 2022 – April 2022

Data Science Intern

- Performed on a project-based internship and established a predicting model using Linear Regression on Jupyter Notebook.
- Also worked on several model building using Logistic Regression and Decision Tree to compare the cross-validation score.

ACADEMIC PROJECTS AND PAPER

Energy Consumption predictor

- Worked on a real-time group project where basically we had to predict the total energy usage in the state of North Carolina.
- Merged datasets such as house information, energy data and weather data.
- Deployed a Linear Regression model with 89% accuracy which predicts total energy usage in future based on explanatory variables from the merged dataset.
- Created a Shiny App on R studio which compares current energy usage and future energy usage.

Pandemic Times Website

- Developed a website based on Covid-19 analysis using Visual Studio Code IDE with python for model building and HTML, CSS, JavaScript for Web development.
- Integrated features such as predicting future cases using Random Forest with an accuracy of 91%, Lists of Hospitals city-wise and information on precautions and measures against covid-19.
- Authored and published a paper on the same in international journal IJRASET in April 2022, Volume 10, Issue 4, paper ID – IJRASET41628.

Credit Card Fraud Detection

- Developed a credit fraud detection system using machine learning.
- Utilized historical credit card transaction data for training and testing and conducted data preprocessing, including handling missing values and outliers.
- Achieved a high-performing model with an accuracy of 96%, effectively identifying fraudulent transactions.

TECHNICAL SKILLS

- MS Excel (lookup, correlation, regression, pivot table, 3D maps, Powerview, Solver, Optimization).
- Python (NumPy, Pandas, Machine Learning – Sklearn, Tensorflow, Pytorch).
- SQL (DDL and DML commands on Azure Data Studio, Sqlpad, Adminer, SQLite3, SQL Server).
- Natural Language Processing(NLP) , Deep Learning, Neural Networks (ANN, CNN), Text Mining.
- R (Exploratory Data Analysis, Model building, Data Visualization, Quantitative Analysis).
- Tools - MS Access, MS PowerPoint, MS Word, MS Visio, Tableau, PowerBi.

Certifications

- **Data Science and Business Analytics by Learnbay Institute & IBM**
Skills Learnt:

September 2022 – June 2023

- Python (Data Visualization with NumPy, Pandas and Machine Learning with Tensorflow, SKlearn)
- SQL (MongoDB and SQL Server)
- Statistics using Python