

Pizon Shetu

👤 Profile

Detail and Data-oriented Data Scientist with 1+ year of experience with a zest for solving complex everyday problems. Seeking to use data proven skills to help and improve quality of any business problems.

📁 Projects

NYC Housing Dataset – Gradient Boosting, Regression Models

- Over 75K observations which needed extensive cleaning, implemented MICE imputations to deal with large number of missing values
- Utilized spearman correlation to extract and identify key features
- Provided key insights and underlying distribution into NYC housing market, such wealth gap, cost of homes in areas, and migration of native residents
- Implemented Gradient Boosting algorithm via XGBoost to make predictions on homes, and further tuned model for performance.

Classification of Bird Species – Neural Networks, Classification

- Import 50K images of 315 different bird species, create training, testing and validation split.
- Build a Neural Network from scratch with a 73% accuracy after tuning hyper parameters with Bayesian optimization.
- Build and deployed CNN model using Transfer Learning of VGG16 weights, using freezing techniques achieved a 98% accuracy score on unseen data.

Database for College Classes – SQL

- Created a relational database on SQL Server which hosts class schedules for spring semester of Queens College.
- All classes are scheduled where two classes are not in the same location and time.
- Includes every department and their courses

Big Mountain Resorts

- Created a competitive pricing model for Big Mountain Resorts for their attractions by analyzing their facilities and their competitors, model allowed us to increase revenue by \$3.4 million.

👛 Experience

Springboard- Data Science Fellow

April 2021 — December 2021

- Performed many aspects of data science, from implementation of predictive models to production and deployment.

Web Developer at ProMarketingHub, Borough of Queens

July 2020 — December 2020

- Increased ProMarketingHub user base by implementing various design features to improve the clarity and functionality of the website.
- Improved user experience via implementing modals to show thumbnails and images for a fluid and responsive interaction.

🎓 Education

Computer Science and Applied Math, Queens College, Flushing — June 2020

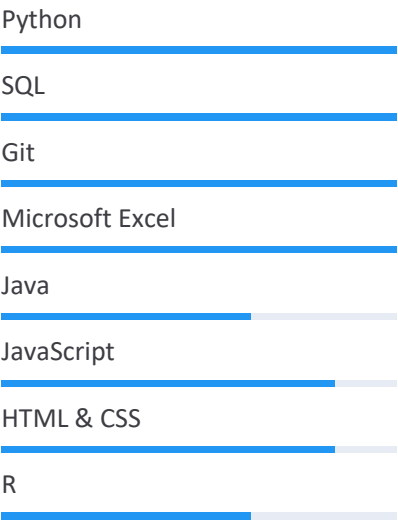
Details

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Links

[GitHub](#)
[LinkedIn](#)

Skills



Languages

