Riddhi Narayan

Boston, MA 02115 • narayan.ri@northeastern.edu • (617) 685-9695
LinkedIn • Available: May - Dec 2022

EDUCATION

Northeastern University,Boston, MA, **GPA – 3.75/4.0** Sept 2021 - Present
Khoury College of Computer Sciences Expected Graduation: May 2023
Candidate *for Master of Science in Data Science*
Courses: Supervised Machine Learning, Time Series and Geospatial Data Science, Data Management and Processing, Algorithms, Data Structures, Linear Algebra, Probability and Statistics for Data Science

TECHNICAL KNOWLEDGE

Programming Languages: Python, SQL, R, RSQL
Data Science libraries: NumPy, Pandas, Matplotlib, Seaborn, Dplyr, Ggplot2, Tidyverse, PyTorch, Tensorflow, Keras, XGBoost
Data Visualization: PowerBI, Tableau
Cloud/Database: MySQL, MongoDB, PostgreSQL, AWS, SQL-Lite

ACADEMIC PROJECTS

Pet Popularity Prediction Sept 2021 - Dec 2021
Northeastern University, Boston, MA

- Performed EDA for over 9000 image data with about 12 metadata features deriving valuable insights.
- Conducted over 20 experiments that ranged from linear models to complex supervised machine learning techniques for a comprehensive performance analysis. Performed extensive error analysis thereby improving prediction performance by 23%.

Avocado Price Prediction Sept 2021- Dec 2021
Northeastern University, Boston, MA

- Quantified the predictive performances of Random Forest vs. Linear Regression algorithms and achieved an accuracy of 94% using Random Forest. Lastly used the ARIMA model for Time Series forecasting to predict market volatility and trends.
- Successfully analyzed seasonal and yearly avocado price patterns and produced effective visualizations to communicate the results.

PROFESSIONAL EXPERIENCE

Northeastern University, Boston, USA
Teaching Assistant- Foundations of Data Science Jan 2022 - Current

- Facilitate learning during office hours on topics such as Machine Learning, Data Analytics & Visualizations and API scraping.

Schneider Electric, Bangalore, India Feb 2021 - July 2021
Data Science Intern

- Developed Python code for the automation of all Usage KPIs'.
- Spearheaded cross-functional team efforts to produce more accurate and informative visualizations of statistical results.
- Analyzed global user and employee data and derived actionable insights; Increased website upvotes by 25% through advanced data analysis of users' online behavior and website interaction.

Indian Institute of Science, Bangalore, India Jul 2020 - Nov 2020
Machine Learning Research Intern

- Developed a deep learning algorithm using Python to perform neural style transfer by employing a Convolutional Neural Network for feature learning and image style transfer.
- Successfully transferred the artistic style of an image onto a chosen content image for multiple such combinations by running the algorithm for 800 iterations using GPU support.

Processware Systems, Bangalore, India Apr 2020 - Jul 2020
AI Intern

- Improved asset financial performance by predicting asset failure through the use of an AI tool.
- Analyzed loan data and employed Random Forests and Gradient Boosting algorithms to predict the behavior of existent loan accounts at financial institutions.