

Raghav Rastogi

Availability May 2022-Dec 2022

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Education

Master of Science in Data Science

Expected May 2023

Northeastern University, **Khoury College of Computer Sciences**, Boston, MA

- GPA : 4.0
- Coursework : Algorithms, Database Management, NLP, Supervised Machine Learning
- Project: Project: Forecast depression, finding key attributes in survey data and predicting depression based on specific demographic information with an error of around 10%

B.Tech : Electrical and Electronics Engineering

May 2018

Vellore Institute of Technology, Bangalore, India

- GPA: 8.82/10
- Relevant Coursework : Introduction to programming, Data Structures, Probability and Statistics, Multivariable calculus, Linear Algebra

Skills and Certifications

- Programming Languages: Python, R, SQL, HTML, CSS
- Tools and Framework: TensorFlow, Keras, Matplotlib, TFX (MLOps), Pandas, Numpy, Sci-kit, Dplyr, GGplot, TidyR, TFRecord, Jupyter, Google Colab, OpenCV, PyTorch
- Certification: Machine Learning Engineering for Production (MLOps) Professional Certificate (Coursera)

Work Experience

Associate Solution Advisor

July 2020 - August 2021

Deloitte USI, Bangalore, India

- Assembled and monitored data reports comprised Data Extraction with MySQL, Data Cleaning, Analysis and Processing for global pharmaceutical client to detect inconsistencies in 7+ production environments
- Led and trained 2 resources remotely, condensed project timeline
- Collaborated and coordinated with 4 functions including more than 20 Security consultants across globe in 4 SAP project implementations
- Received "Spot Award" 2 times as client appreciation and recognition

Analyst

August 2018 - June 2020

Deloitte USI, Bangalore, India

- Integrated SAP security infrastructure for 10+ locations for Multinational retail client - involved data management and analysis
- Expedited project by learning and deploying latest TRIRIGA security in over 20 locations for a global US based client as a single offshore resource.

Relevant Projects

American Sign Language image classification and object detection

January 2022 - February 2022

- Achieved around 99% accuracy on multi-class target variable on the unseen data set
- Implemented 4 layers of CNN along with Max-pooling and dropout for 90k images with 29 classes.
- Applied real time object detection by labeling, converting the data to TFRecord and applying transfer learning on MobileNet V2 and running on Google Colab
- (<https://www.kaggle.com/raghavrastogi75/asl-classification-using-tensorflow-99-accuracy>)

Predicting house prices - Kaggle competition

June 2020 - July 2020

- Achieved top 13% accuracy ranking from around 5000 teams
- Executed data preprocessing, feature engineering, fine tuning model to improve accuracy by 20%
- Implemented GridSearch, StackingCVRegressor, scripted a blended model for stable prediction
- Scripted "Predicting House Sales in King County" as practice project on kaggle (<https://www.kaggle.com/raghavrastogi75/end-to-end-house-sales-eda-and-prediction>)

Avocado prices data visualization

May 2020 - June 2020

- Insightful, descriptive data visualization of the complex data set, performed data cleaning and data manipulation, built 13 plots with clear explanation and steps using Pandas, Matplotlib, Seaborn
- (<https://www.kaggle.com/raghavrastogi75/avocado-prices-data-visualization-beginner>)