Ruchir Shrikhande

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OBJECTIVE

Seeking a full-time job for Data Analyst/ Science and Machine Learning related roles

EDUCATION

Stevens Institute of Technology, Hoboken, NJ **[Expected May 2023]**
Master 's in Computer Science
Related Courses: Machine Learning:Fundamentals and Applications, Introduction to Natural Language Processing, Fundamentals of Computing, Statistical Machine Learning, Deep Learning, Applied Machine Learning

Sinhgad Academy of Engineering,Pune,India **[May 2021]**
Bachelor's in Engineering in Electronics and Telecommunication

SKILLS

Programming Skills
Python,| Java| C/C++| SQL| MATLAB| Tableau

Computer Skills
MS Office| VS Code| IntelliJ| PyCharm.

Mathematical Skills
Algebra| Numerical Methods| Calculus| Probability| Statistics.

Data Science Skills
Tableau| Tensorflow| Keras| Jupyter Notebook| Scikit learn| NLTK| NumPy| Pandas

WORK EXPERIENCE

Desai Engineers Pune/India **[August 2020 – January 2021]**

Project intern

- Collaborated with fellow interns and developed a code in Python using the deep learning algorithm CNN for identifying the mechanical job kept for inspection
- Calculated the dimensions of the mechanical job using Euclidean distance along with the pixels per metric count which were later compared with the expected dimensions thus finding out if the job is fit for use or not
- Achieved an accuracy of 95% and thus reducing the time required for job selection by almost half

Jade Global **[June 2020 – August 2020]**

Project intern

- Made use of AI and Machine Learning Algorithms to generate a predictive maintenance framework intended at reducing the operation and maintenance cost of the company, increasing efficiency and precision of the devices used.
- Contributed in the user acceptance testing

ACADEMIC PROJECTS

Predicting the Housing Prices **[January 2020]**

- Performed exploratory analysis on the dataset and obtained important features and descriptive statistics about the dataset
- Created a train-test split and trained the data using three different regression algorithms namely, Ridge,Lasso and Elastic Net and found out the Ridge Regression model to be the most optimum based on the RMSE values

Face Mask Detection using Image Processing Techniques **[January 2021]**

- Created a model which uses real time video footage obtained from video cameras to identify if a person is wearing a mask or not
- The CNN algorithm was trained using the dataset consisting of images of people with and without the use of face mask
- Achieved a 98.7% accuracy on the testing data

ACTIVITIES/CERTIFICATES/EXTRACURRICULARS

- Published a research paper on the topic 'Object recognition and inspection using Image Processing and Deep Learning' in an e-National Conference on Novel Ideas in Multidisciplinary and Techno Innovations (NCNMT-2021)
- Completed an online certified course on Introduction to Machine Learning and Deep Learning
- Led the college club ETSA which consisted of over 100 members which was responsible for organization of various events being held in college