ROHAN VAIDYA

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EDUCATION

Indian Institute of Technology, Jodhpur *July 2019 - Present*
M.Tech Cyber Physical Systems   CGPA: 8.1/10
Related Courses: Machine Learning, Computer Vision

University of Mumbai *July 2014 - May 2018*
B.E Electronics and Telecommunications.   CGPA: 7.75/10

CAREER OBJECTIVE

To work for an organization which provides me the opportunity to improve my skills and knowledge to grow along with the organization objective.

PROJECTS

MTech Project
This is a currently ongoing project and is being done in collaboration with MarkeTopper Securities, Gurgaon. The main aim of this project is to develop a system that makes use of artificial intelligence based trading strategies to execute trades in the stock market and generate profits.

Malware Detection using Machine Learning
This was a Kaggle competition hosted by microsoft in the year 2015. A large dataset of 200GB was given. Performed feature extraction on this data. Various machine learning models were trained. The task is given a file classify it into one of the 9 types of malware.

Graph link prediction using Machine Learning
We are given a directed graph in which each node represents a user in a large social network. A directed edge from some user 'x' to a user 'y' indicates that user x follows user y. The task is to predict the presence of an edge between two random users in the social network. This problem is similar to the friend recommender system of facebook in which facebook recommends the people we may know.

Road Sign Detection
This was a project done as a part of CSL7360 Computer vision course. The objective of this project was to detect road signs. We implemented algorithms like YOLO v3 and Faster-RCNN for detection of road signs.

TECHNICAL STRENGTHS

Programming Languages: Python
Frameworks and tools: Pytorch, Keras, Tensorflow, Matplotlib, Pandas, Google Colab, Scikit-Learn