Mrugank Milind Akarte

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EDUCATION

Columbia University New York, NY Aug 2019 - Dec 2020
Master of Science, Data Science
Coursework: Probability and Statistics, Exploratory Data Analysis and Visualization, Algorithms for Data Science, Machine Learning and High Dimensional Data Analysis

Vishwakarma Institute of Technology Pune, IN Aug 2014 - May 2018
B.Tech. Production Engineering, CGPA: 9.44/10
Department topper for three consecutive academic years 2015-18.
Coursework: Manufacturing Processes, Material Science, Design of machine elements, Production planning and control, Manufacturing Simulation, Quality management

SKILLS

R (keras, ggplot2, plotly, shiny, tensorflow, dplyr, shiny), Python (keras, tensorflow, numpy, pandas), Machine learning, deep learning, SQL, C++

DATA SCIENCE PROFESSIONAL EXPERIENCE

Ellicium Solutions Pvt. Ltd **Data Science Intern** Jan 2018 - May 2018

- Data cleaning, manipulation and model testing for a customer retention project in Insurance domain.
- Developed a submodule to capture data for real time analysis of machine data using R.
- Application to execute business specific rules using java, drools and spark.
- Demonstrated python-based rule engine to evaluate business specific rules using spark as execution engine.

ACADEMIC DATA SCIENCE PROJECTS

MineRL: Sample efficient reinforcement learning using human priors July 2019

- Developed a reinforcement learning system to navigate to a diamond block in Minecraft using provided dataset of human demonstrations.

Toxic Comments Classifier March 2018

- Multi-headed model that's capable of detecting different types of toxicity like threats, obscenity, insults, and identity-based hate was developed using recurrent neural networks on Wikipedia comments dataset.
- A real time interactive application was also developed using Shiny in R to determine toxicity in a sentence using same model.

Predictive Text Model June 2017

- A model to predict next word was developed using n-grams model on news articles and blogs. Average runtime for prediction was 40msec with less than 60mb of memory consumption.

HOBBIES

Computer games, Music, Lawn Tennis, Movies