Mrugank Milind Akarte

Personal Information

Address:
Flat No.29, Type IV
National Institute of Industrial Engineering
Powai, Mumbai - 400087

Email:
mrugankakarte13@gmail.com

Mobile:
+91 7506245919

LinkedIn:
https://linkedin.com/in/mrugank-akarte/

GitHub:
https://github.com/Mrugankakarte
https://mrugankakarte.github.io

Skills

R
Excellent

Machine Learning
Proficient

Deep Learning
Proficient

Python
Intermediate

Spark, SQL
Intermediate

C++
Intermediate

Hobbies and Interest

Computer Games
Reading
Music
Sci-Fi and Action Movies
Lawn Tennis
Badminton

Certifications

- Data Science, a 10-course specialization by Johns Hopkins University on Coursera. Specialization Certificate earned on June 14, 2017
- Deep Learning, a 5-course specialization by Deeplearning.ai on Coursera. Specialization Certificate earned on June 26, 2018

Achievements

- Department topper for academic year 2015-16, 2016-17 and 2017-18
  Vishwakarma Institute of Technology, Pune
- Recipient of Certificate of Merit and cash prize of Rs.5000
  Kendriya Vidayalaya Sanghathan, New Delhi. (2012)

Publications

- '*Predictive Maintenance of Air Pressure System using Boosting trees: A Machine Learning approach'*, accepted for 51st Operational Research Society of India 2018 International Conference at IIT Bombay.
- '*Maintenance Performance Classification using Machine Learning with multi-criteria- A case of Dairy industry*', accepted for 6th International Conference on Business Analytics and Intelligence 2018 at IISc Bangalore.
- '*Supplier Segmentation using Machine Learning*', accepted for 6th International Conference on Business Analytics and Intelligence 2018.

Projects

Toxic Comments Classifier
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
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.

Work Experience

Intern (Jan 2018 – May 2018)
Ellicium Solution Pvt Ltd, Pune

- 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.
- Data cleaning, manipulation and model testing for a customer retention project in Insurance domain.

Education

2014 - 2018	B.Tech Production Engineering *Vishwakarma Institute of Technology, Pune (CGPA: 9.44)*
2013 - 2014	12th CBSE Computer Science *Kendriya Vidyalaya IIT Powai, Mumbai (Percentage: 91.8)*
2011 - 2012	10th CBSE *Kendriya Vidyalaya IIT Powai, Mumbai (Percentage: 95)*