ABHISHEK MAMDAPURE

M.Tech Student | Statistical Analysis and Data Science Enthusiast

% Portfolio   https://abhishekmamdapure.github.io/

RELEVANT EXPERIENCE

SEMESTER 1

- Simulation of a SIR model which is an epidemiological model. To simulate the effect of spread and recovery of the disease I have used Net logo Software, which is an Agent based modeling tool.
- Linear Algebra:System of Linear equations,Vector Spaces, Eigenvalues, Eigen vectors
- Probability Theory :Random variables,Expectations

SEMESTER 2

- Statistical Inference: Bootstrapping, parametric inference, Hypothesis Testing
- Participated in the competition organized by Analytics Vidya to automate the loan eligibility process based on customer details.(Model built using R)

SEMESTER 3

- Written and analyzed the codes for KNN,K-Means, Naive Bayes,Linear Regression, Logistic Regression,Decision Tree, Random Forest
- Studied Numerical Computing Techniques such as: Differentiation and Integration via Interpolation,root finding methods, functional approximation
- Learned and practiced the optimization techniques such as : Genetic Algorithm, Ant-Colony Optimization(TSP,Attribute Selection), Simulated Annealing.

SEMESTER 4

- Currently undergoing an Industry Internship as "Data Science Intern" at Affine Analytics Pvt Ltd, Bangalore.(Halted due to COVID-19)
- Working on NLP problem to convert Natural Language Question to SQL Query.

PROJECTS

Detection of Malicious URLs using Machine Learning

- Build a model to detect how a machine can be able to judge the URL's based upon the given feature set. Specifically, describing the feature set and an approach for classifying the given the feature set for malicious URL detection.

TECHNICAL SKILLS

`Python` `Text Preprocessing`
`NLP` `MS-SQL Server`
`Exploratory Data Analysis` `Tableau`

CERTIFICATIONS

- Data Science Pro-Degree from Imarticus Learning in association with Genpact
- Python for Data Science and Machine Learning by Udemy
- Statistical Learning by Stanford University

EDUCATION

M.Tech in Modeling and Simulation
SP Pune University
📅 July 2018 – Ongoing

BE E&TC
SP Pune University
📅 Aug 2012 – Sept 2016

ACHIEVEMENTS

- Secured 16th rank in "HDFC Bank ML Hiring Challenge'19" hosted by Hackerearth
- Secured 334th rank among 712 participants in "India ML Hiring Hackathon 2019" hosted by Analytics Vidhya
- Gold medal for SQL by HackerRank