Abhinav Lakhani

+1 (226) 975-4952
3398abhinav@gmail.com
Brampton, ON

github.com/abhinav3398
linkedin.com/in/abhinav-lakhani

EDUCATION

St. Clair College | *Graduate Certificate in Data Analytics for Business*   *Mississauga, ON* | Fall 2020

- Grade Point Average (GPA): 4.0/4.0
- Academic Distinction
- Student Leadership Award

Ganpat University | *Bachelor of Technology in Mechatronics*   *Mehsana, GJ, India*| Fall 2015

- Grade Point Average (GPA): 6.69/10.0

SKILLS

Programming and computation	Software Tools & Frameworks	ML Stack	Communication & Interpersonal
Python, Julia, R, SQL, C, Matlab & Simulink	Flask, Plotly, Tableau, PowerBi, Scikit-Learn XGBoost, TensorFlow, Pytorch, Flux.jl, DifferentialEquations.jl, IBM Cognos, Git, Github, Linux, Bash	Unsupervised and Supervised Learning, ANN and Deep learning, Computer vision, NLP	Team Player Problem Solver Effective Communicator

PROJECTS

Capstone Project: Song Popularity prediction using External Song features and Metadata [link]   Winter 2022

- Assessed whether it would be possible to predict the popularity of a particular song only from static characteristics of the song such as loudness, acousticness, liveness, speechiness, tempo, etc.

- Organized and cleaned data, by imputing null values and outliers rather than removing, so that various machine learning models can be fit to get the predictive insight from the data.

- Performed Exploratory Data Analysis to gather information from data, such as distributions of individual features and their interactions with target variable, which helped in modeling to build the best machine learning models that would optimize the classification matric.

Term 3 Project: Healthcare Analytics - Capacity Planning by predicting Patient LOS(Length of Stay) [link]   Fall 2021

- Examined a big data system (ARTEMIS) deployed at an actual medical facility and simulated it analytically using Monte Carlo simulation method.
- Predicted patient LOS (Length of Stay), from a similar dataset (MIMIC-2), as well as the factors affecting it, in order to determine the required computational resources such as amount of storage, memory, computation power, etc. used by the cloud system deployed at the medical institution.
- In addition, important performance matrices such as mean number of patients, blocking probability and mean patient residence time were obtained.

EXTRAS

IBM Data Science Professional
certificate (Coursera)