

ABHINAV LAKHANI

 [Abhinav-Lakhani](#)

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PROFESSIONAL SUMMARY

Data Analyst, with background in robotics and artificial intelligence, familiar with gathering, cleaning and organizing data with advanced understanding of statistical, algebraic and other analytical techniques to extract relevant insights from data according to the business requirements. Highly motivated to continuously learn and experiment with new tools and technologies.

PROJECTS

Capstone Project: [Song Popularity prediction using External Song features and Metadata](#)

- 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, 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 will help in modeling step.

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

- Examined a big data system(ARTEMIS) deployed at an actual medical facility and simulate it analytically using monte carlo simulation method.
- Predicted patient LOS, 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 metrics such as mean number of patient, blocking probability and mean patient residence time are obtained.

REFERENCES

Matt Mostofi: Teaching instructor at St. Clair college, Mississauga
matt.mostofi@canadaacumen.ca

Dr Sara Jodayree: Teaching instructor at St. Clair college, Mississauga
Sara.jodayree@canadaacumen.ca

EDUCATION

Data Analytics for Business (Sep. 2020 – Apr. 2022) | CGPA – 4.0
St. Clair, Mississauga ON, Canada

B. Tech. in Mechatronics (Aug. 2015 – May 2019) | 6.5 GPA out of 10.0
Ganpat University, Gujarat, India

SKILLS

Languages and Frameworks

Python, Julia, R, SQL, C,
Scikit-Learn, Flux.jl,
DifferentialEquations.jl,
TensorFlow, flask, Plotly

Tools

Git & Github, vscode, bash & wsl, PowerBi, Excel

CERTIFICATIONS

[Data science professional certificate](#) - Coursera