

# Radhika Maini

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## Summary

Summary:

Solid technical background. Hold a Post Degree Diploma in Data Analytics , with bachelors in Computer Science And Technology. Loves to plan and manage things with a focus to get things done using critical thinking with strong interpersonal and intrapersonal skills

## Experience



### Exploring Leadership Styles

Langara College

Oct 2021 - Present (6 months +)

Skills: data mapping,data cleaning, data analysis, descriptive statistics, data visualization,dimensional reduction,Inferential Analysis,Boostrapping

Tools: Python, Pandas, Numpy, scipy.stats, Seaborn, Matplotlib,Rstudio,Microsoft word,PowerBI

Results: Exploring different styles of leadership and then choosing best leadership technique in order to boost the creativity of the employees in order to build a healthy working environment using factor analysis .

Credit Card Fraud Detection



### Fraud Analysis

Langara College

Jan 2022 - Present (3 months +)

Skills: data cleaning, data analysis, descriptive statistics, data visualization,XG Boost,ADA Boost,Random Forest Classifier

Tools: Python, Pandas, Numpy, scipy.stats, Seaborn, Matplotlib,Sklearn

Results: Analytically reviewing the frauds which can happen with credit cards and then performing data visualisation techniques to determine the correlation in order to detect the probability of future frauds

GitHub repo: [https://github.com/radhika-19/Credit\\_Card\\_Detection](https://github.com/radhika-19/Credit_Card_Detection)

RNA Sequence Analysis



### RNA Sequene Analysis

Langara College

Nov 2021 - Present (5 months +)

Skills: data analysis, descriptive statistics, data visualization, dimensional reduction,; Component Analysis.

Tools: Rstudio, Microsoft word

Results: Performed RNA sequencing for the three samples to study the effect on E. coli transitioning from anaerobic conditions to aerobic condition and then using Principal Component Analysis to check the dissimilarity among three samples.

GitHub repo: <https://github.com/radhika-19/gene-prediction>

## **L. Boston House Prediction**

Langara College

Feb 2022 - Present (2 months +)

Skills: data cleaning, data analysis, descriptive statistics, SGD Regression, Ridge Regression

Tools: Python, Pandas, Numpy, scipy.stats, Seaborn, Matplotlib

Results: Predicted the factors affecting the housing prices in boston using descriptive analysis and visualisations and performed Regression using k cross validation to determine the accurate factors leading to increase in the housing prices

GitHub repo: <https://github.com/radhika-19/boston-prediction>

## **L. Research Assistant**

Langara College

Compiled and Summarised the capstone projects of four consecutive semesters in order to predict the conclusion

- Analysed the model using machine learning algorithms in order to predict the accuracy of the model for data privacy

- Used descriptive analytics and inferential test to determine the best outcome of the projects submitted by the students.

Peer Tutor → Langara College, July 2021-Dec 2021

- Used programming in R and SAS to create the predictive models using various techniques of multiple regression to analyse the water quality of still creek,

- Developed simplified reports which explain core statistical and predictive modelling techniques in layman language.

- Used ETL tools for visualisations in R and python in order to check the presence of biological species in the still creek .

- Detected Outliers and performed the efficient techniques to impute the data with more than 300 entries to get the descriptive analysis of the dataset.

- Transformed data to build quality reports/dashboards In Tableau, Microsoft Excel and Power BI.

## **Education**

### **L. Langara College**

Post Degree Diploma



**Guru Nanak Dev University, Amritsar**

Bachelors of Technology, Computer Engineering and Technology

## **Skills**

ada • business intelligence • com • creative • credit • data analysis • dec • etl • innovative • leadership