

Nabeel C. Hingun

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About Me

Programming Languages: Python, Java, SQL, R, HTML, CSS, JavaScript, Scheme

Framework/Technology: Tensorflow, Pytorch, Keras, Numpy, Scipy, node.js, sklearn, Matplotlib, Pandas, ggplot2, Flask, MongoDB, D3.js

Interests: Soccer, Fencing, Cooking

Languages: French, Mauritian Creole

Education

University of California Berkeley

Graduating May 2022

Double Major: Data Science and Operations Research

GPA: 3.96

Honors: Ranked 2nd country-wide for my A-levels and awarded a full-ride scholarship for my undergraduate studies.

Selected Coursework: Data Structures, Discrete Mathematics and Probability Theory, Probability for Data Science, Linear Algebra, Database Systems, Data Ethics, Financial Economics, Business Analytics

Work Experience

Data Science Intern, Mauritius Commercial Bank

June – July 2019

- Improved product recommendation by 15% by building new ensemble learning models
- Created new customer segments based on features other than income for existing clients

Projects

Github: github.com/nab-126

Bear Map

- Designed a website for the Data Science students to manage their course plan
- Web Scraped class data(code, description, prerequisites) to a MongoDB database
- App is powered by the **Python** and the Flask framework as backend; frontend in **JavaScript**

Resnet18

- Implemented a self supervised algorithm in **Python** for image classification using tensorflow data API to load and preprocess data
- The neural network uses geometric transformations to extract features of an image without requiring these images to be labeled

Database Design

- Database implementation in **Java** which supports executing simple transactions in series
- Added support for B+ tree indices, efficient join algorithms, query optimization, multi granularity locking to support concurrent execution of transactions and database recovery.

Leadership & Activities

Machine Learning At Berkeley

January 2019 - Date

- Student organization working on industry consulting, research projects and educational initiatives
- Oversaw around 10 students and taught them the foundations of machine learning

Statistics Undergraduate Student Association

August 2018 - December 2018

- Learnt the basics of Data Science: data cleaning, EDA, linear regression, data visualization
- Worked in a team and competed in an internal Kaggle competition

Booknest (Leadership)

Feb 2016-Date

- Conceptualized and translated this project in Mauritius to promote reading and sharing based on the 'Little Free Library' by installing 10 'Booknests' across the island