JOTHIKA SUNDARAM

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Education

Bachelor's of Computer Science – Carleton University
Concentration in Internet Security. Minor in Statistics | CGPA 11.5 / 12.0 (A+)

Sept/2019 – May/2023
Ottawa, ON

Work Experience

Database Intern - Reserv

July/2020 – Aug/2020
Remote

`Firebase` `NoSQL`

- Worked remotely with Montreal-based startup to develop a restaurant reservation mobile application
- **Implemented a NoSQL database** using Firebase as the backend, allowing easy integration and shallow querying for the application
- **Optimized data relations** for user account data and restaurant data, resulting in efficient query selection

Part Time Sales Associate - Justice Tween Brands

Aug/2019 – Aug/2020
Ottawa, ON

- **Engaged** with customers and developing customer-employee connections, resulting in **increased sales** by at least 10%
- Attended to customer concerns, questions and needs, with **clear communication and empathy**, increasing overall customer satisfaction
- Resolved customer disputes by **efficiently processing exchange and returns transactions**, reducing customer frustration and improving the likelihood the client would return in the future.

Community

Mentor - Technolgap

June/2020 – Present
Ottawa, ON

- Member and mentor of a **women-in-computer-science community** at Carleton University
- Guide incoming first year women in Computer Science as a Mentor by sharing resources, opportunities for internships, and support, resulting in more first year student involvement within the community
- Host workshops and panels involving academic advice and developing skills for the tech industry

Passion Projects

Toronto Venue Data Analysis

May/2020

`Python` `Pandas` `Jupyter Notebook` `Foursquare API`

- Applied **exploratory data analysis** of how the different categories of venues are spread across the boroughs of Toronto by grouping data using **K-Means Clustering** algorithm to segment locations based on most popular venues.
- Results of this project **aimed to help startup companies find an ideal location** to open a branch catered to their local customers and surrounding venues.

Money Manager

Dec/2019 – Present

`Python` `Google Sheets API`

- An application to keep track of user's income and expenses over time, perform other calculations for statistical purposes.
- **Implemented Google Sheets API** to store data in a spreadsheet resulting in easy categorization and summary of income, spending and other reports.

Programming Languages + Tools

`Java` `Python` `HTML / CSS` `Javascript` `Node.js` `SQL`
`Git` `Jupyter Notebook` `Firebase` `Django` `Figma`

Skills

`Object Oriented Programming` `Data Structures` `Data Science` `Relational Databases`

Interests

`Web Development` `Front End` `Back End` `Cybersecurity` `Databases`
`Data Analysis` `Algorithms` `Machine Learning`