

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

Firestore NoSQL

- Worked remotely with Montreal-based startup to develop a restaurant reservation mobile application.
- **Architected a NoSQL database** using Firestore 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 / Web Design - Technolgap

June/2020 - Present
Ottawa, ON

Figma

- Member of a women-in-computer-science **community of over 100 women** at Carleton University, creating opportunities to connect, develop and share resources.
- **Designed web pages** by collaborating with our web design team using **Figma** to develop our brand and platform for this community.
- **Mentored first year women** in Computer Science by providing foundations for university level computer science concepts, resulting in **increased first year student involvement** within the community as they navigate through university.

Passion Projects

Toronto Venue Data Analysis

Python Pandas Jupyter Notebook Foursquare API

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

Money Manager

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 API's