

Gurman Mundi

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EDUCATION

Carleton University

Ottawa, ON

Bachelor of Computer Science, Honours

Sep. 2022 – May 2027

- Relevant Coursework: Fundamentals of Web Applications, Statistical Modelling, Systems Programming, Abstract Data Types & Algorithms
- CGPA: 12.0 on 12.0 scale

Google IT Automation with Python

Professional Certificate

May 2023 – Jul. 2023

- Utilized Python to create automation scripts that interact with the operating system
- Learned the core principles of Objected-Oriented Programming in Python
- Created scripts that utilize regular expressions (REGEX)
- Utilized Git and GitHub workflow to maintain and track snapshots of repository code history

Meta Database Engineer

Professional Certificate

Jul. 2023 – Sep. 2023

- Utilized a MySQL server to perform CRUD operations on tables in a database
- Developed skills to perform data normalization on tables to convert them to first, second and third normal form
- Learned Unix commands to be able create, read and manipulate files and directories
- Utilized advanced MySQL technologies to optimize database queries

PROJECTS

Stock Chart Analyzer | GitHub Code | *Python, Git*

July 2023

- Developed an application that uses a given company's financial history to return reports on gains/losses
- Utilized **YFinance module** to generate a CSV file of company financial history when supplied a company stock symbol from users
- Created a **Python script** to be able to extract local maximum and minimum price points from CSV data file
- Used **tkinter module** to display a GUI that allows a user to enter a company's stock symbol and receive reports
- Tracked project code history using **Git** and **GitHub**

Weather App | GitHub Code | *Python, Flask, HTML, CSS*

October 2022

- Developed a full-stack web application using **Flask** to send requests to a **REST API** with **HTML** as the frontend
- Capable of presenting weather data **every second**
- Integrated Flask as a backend service that processes city input from users and outputs basic weather information
- Handled data from Weather API and verified city from user input using **Python**

Personal Website | GitHub Code | Website Link | *HTML, CSS, JavaScript*

September 2022

- Developed a personal website as a portfolio to display projects, competitive programming endeavours, etc.
- Integrated **JavaScript** to display typewriter and navigation bar animations
- Utilized **CSS flex box** to display projects in grid layout projects page

WORK EXPERIENCE

Computer Science Teaching Assistant

Carleton University

Sep. 2023 – Jan. 2024

- Provided one-on-one support to students during office hours, assisting them in understanding and solving complex problems related to Discrete Mathematics
- Assessed and graded student assignments, ensuring accuracy and consistency in evaluating mathematical proofs and solutions
- Assisted in explaining and clarifying course materials, including concepts related to Discrete Mathematics, to ensure students' comprehension

TECHNICAL SKILLS

Languages: Java, Python, C++, C, JavaScript, HTML/CSS, SQL

Technologies: Flask, Git, GitHub, MongoDB, Pug