

Dilman Mundi

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Education

Carleton University

Ottawa, ON

Bachelor of Computer Science, Honours

Sep. 2024 – May 2029

- Relevant Coursework: Python, Statistical Modelling, Discrete Math, Calculus, Linear Algebra, Java
- CGPA: 12.0 on 12.0 scale

Google IT Automation with Python

Professional Certificate

May 2024 – Jul. 2024

- 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

Projects

Stock Strategy Simulator / [GitHub Code](#) / Python, Git, Flask

Nov 2024 – Jan. 2024

- Developed an algorithm and software to run a simulation of the MA crossover strategy
- Used **Flask JSONIFY** to take user input for a company's stock symbol and investment options
- Created a **Python script** to be able to extract API data using **Pandas**
- Utilized **YFinance module** to analyze and manipulate the stock, and generate a CSV file of trades
- Displayed results on a graph, comparing to buy & hold strategy using **Matplotlib**
- Tracked project code history using **Git** and **GitHub**

Personal Website / [GitHub Code](#) / HTML, CSS, JavaScript

Sept 2024 – Nov. 2024

- 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

Revelvant Experience

President

Computing Club

Jan 2024 – Jul. 2024

- Created weekly programming lessons and solutions for two streams of students; beginner and advanced
- Taught data structures and algorithms in Java such as Binary Search, Merge and Bubble Sort, Graphs, etc.
- Took part in regional/national programming contests like USACO and CCC, using Java and its libraries

Awards and Honors

Euclid Distinction

May. 2024

- Participated in the University of Waterloo's international mathematics competition
- Placed in top 25% of 17763 contestants

CCC School Medal Champion

Feb. 2024

- Participated in the University of Waterloo's international competitive programming competition
- Placed in top 50% of 9895 contestants
- Placed 1st in school out of 30 contestants
- Solved questions involving dynamic programming and used sorting/searching algorithms

Computer Science Faculty Scholarship

June 2024

- Awarded a \$16 000 scholarship by the Faculty of Science at Carleton University

Technical Skills

Languages: Python, Java, JavaScript, HTML, CSS

Technologies: Flask, Git, Pandas, Matplotlib