

ARHAM ISLAM

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EDUCATION

Honours Bachelor of Computer Science

Carleton University

September 2023 – April 2028

Ottawa, ON

- Specialization in Management and Business Systems
- Relevant Courses: Abstract Data Types and Algorithms, Discrete Structures I, Calculus I, Linear Algebra I

SKILLS

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

Frameworks / Tools: Node.js, Firebase, Bootstrap, Vite, Git, GitHub, MySQL

PROJECTS

Syllaflow: Notion Syllabus Integrator | JavaScript, Firebase, Vite, HTML/CSS, Bootstrap



- Automated syllabus data migration into Notion, reducing manual entry from 30 minutes to under **60 seconds**, by developing **Chrome extension** and back-end logic
- Optimized PDF text extraction, ensuring reliable processing of varied academic formats, by implementing **PDF.js**
- Structured unstructured syllabus data, surfacing assignment dates automatically, by leveraging **Gemini AI**
- Streamlined Notion workspace setup, generating databases from JSON data, by utilizing **Notion API**
- Secured API credentials, preventing client-side exposure, by implementing **Firebase Cloud Functions**

Olympic Medal Prediction Model | Python, pandas, NumPy, scikit-learn, seaborn



- Processed historical data for 2,100+ records across 200+ teams using pandas and NumPy
- Identified features with **0.80+ correlation coefficient** using athlete and medal count analysis
- Predicted Olympic medal counts with **3.3 Mean Absolute Error** by building **linear regression model**
- Validated model reliability through 80/20 train-test split using scikit-learn evaluation

myfitness: Fitness Tracker | PHP, MySQL, JavaScript, HTML/CSS, Bootstrap



- Developed **full-stack web application** for workout tracking, supporting mobile-responsive access, by implementing PHP/MySQL CRUD operations
- Streamlined plan creation and data organization, ensuring database integrity, by modelling MySQL schema
- Improved interactivity and visualization, rendering real-time progress charts, by developing **RESTful API** endpoints and utilizing **jQuery AJAX**
- Secured user data and sessions, preventing unauthorized access, using password hashing and PHP sessions

MutualCheck: Instagram Follower Checker | Python, Selenium



- Identified non-mutual followers, reducing audit time from minutes to **seconds**, using Python set differences
- Extracted real-time follower lists, eliminating **100%** of manual data export steps, using Selenium

EXPERIENCE

Registration Officer

Elections Canada

April 2025 – April 2025

Kanata, ON

- Registered new electors with 100% accuracy by verifying IDs and processing forms per federal protocols
- Maintained zero tally discrepancies as designated recorder by tracking voter entries in real-time
- Ensured data privacy and 100% regulatory compliance by securing sensitive documents and information
- Reduced voter wait times by streamlining station setup through organized material and signage placement

Sales Associate

Best Buy Canada

October 2023 – December 2023

Kanata, ON

- Increased customer satisfaction by improving conversion through tailored product recommendations
- Improved shopping efficiency by reducing customer search time through directing customers to relevant aisles
- Processed transactions with 100% accuracy, ensuring positive customer experience
- Enhanced store environment by increasing floor organization through consistent inventory and display maintenance