KAVEN MURALEITHARAN

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EDUCATION

CARLETON UNIVERSITY   Ottawa ON

Honours Bachelor of Computer Science in A.I Machine Learning (Co-op)   **Sep 2023 - Apr 2027**

- **Awards:** Dean's List (2023-2024), CU Academic Scholarship (**$16,000**), CU TSA (**$1,900**), CU Academic Staff (**$1,900**).
- **Relevant Course Work**: Data Structures and Algorithms, Systems programming I, Software Engineering I, Fundamentals of Web Applications, Robotics I, Discrete Structures II.
- **Societies:** Carleton Computer Science Society (CCSS), CUHacking, Paul Menton Centre,

AMAZON WEB SERVICES CERTIFIED CLOUD PRACTITIONER   **EXPIRES AUG 2027**

Credential ID: c5e3c3b03a05460fa5742f61e5c710fb.

- The AWS Certified Cloud Practitioner validates foundational, high-level understanding of AWS Cloud, services, terminology, and architectural principles.
- Proficient in identifying and architecting the right AWS services for common solutions in applications.

SKILLS

Languages: Java, JavaScript, C, Python, PHP.   **Developer Tools/Technologies**: Android SDK, Git, Linux, OpenStack.
Backend: Node.js, Django, SQL, AWS.   **Frontend**: HTML/CSS, React.

WORK EXPERIENCE

NOTETAKER   Ottawa ON

CARLETON UNIVERSITY   **Sep 2024 – Present**

- Prioritized, organized, and managed personal workload while meeting 48-hour weekly notetaking deadlines for students with disabilities taking COMP 2401 (Intro to Systems Programming) at Carleton University as a computer science notetaker.
- Identified and synthesized key learnings from classroom lectures into succinct notes to help improve comprehension of lecture material.
- Demonstrated ability to listen actively during lectures and convey spoken information clearly in written form for an audience with varied abilities and needs.
- Took initiative to commit to and follow-through on a leadership role at Carleton Universities Paul Menton Centre for a number of months under minimal supervision.
- Maintained confidentiality and professionalism while interacting with professional staff and note-taking recipients.

TECHNOLOGY REPRESENTATIVE   Stouffville ON

STAPLES   **Jan 2023 – Aug 2023**

- Delivered personalized technology solutions to address customers' needs, resulting in an increase in customer satisfaction ratings.
- Drove over **$5,000+** in sales revenue through effective product demonstrations and client consultations of protection plans at Staples, leveraging expertise in the latest tech products.
- Provided exceptional after-sales support, resolving technical issues promptly and maintaining strong client relationships.

ADDITIONAL EXPERIENCE: BOSTON PIZZA – *Dishwasher/Prep cook*, Stouffville ON

PROJECTS

MARKET MOOD AI ⧉ | *React.js, Node.js, Express.js, Flask, PostgreSQL, AWS EC2*   **Sep 2024 – Present**

- Directing the creation of a full-stack web application, leveraging **React.js, Node.js, Express.js, Flask, and PostgreSQL** to deliver real-time stock sentiment analysis to users.
- Integrated the **Hugging Face Transformers library** for PyTorch and TensorFlow for tokenizing text scrapped from financial news articles and processing them through a trained roBERTA based sentiment analysis model to obtain a positivity or negativity score on a stock.
- Managed **PostgreSQL database operations** to store and retrieve large volumes of sentiment data on stocks, headlines, and authors.
- Leveraged **Amazon EC2** to automate data fetching, sentiment analysis, and updates, ensuring the system remains up to date every 24 hours with the latest stock sentiments.

KAVENMURALEI.CA ⧉ | *HTML/CSS/JS, Node.js, Git, AWS S3 & Route53*   **Jun 2024 – Sep 2024**

- Engineered and deployed a modern and interactive portfolio website to present users and employer a visual display of skills and projects.
- Implemented **Node.js** to create an efficient backend, ensuring seamless data processing and server-side operations. Integrated the Three.js library with Node Package Manager to create a visually stunning 3D background in the website.
- Deployed the website on the AWS cloud infrastructure, utilizing **Amazon S3** for static web hosting and **Amazon Route 53** for domain management, ensuring high availability and reliability.
- Achieved maximum cost efficiency by keeping the website's operational costs **at < $0.5 per month**, excluding annual domain renewal fees.

ELECTRONIC STORE SIMULATOR ⧉ | *Java, JavaFX*   **Mar 2024 – Apr 2024**

- Leveraged JavaFX to design and implement an intuitive graphical user interface for simulating online web store functions.
- Applied Object-Oriented Programming principles to facilitate product organization and code reusability, significantly improving the program's readability and performance.
- Employed the Model-View-Controller (MVC) design pattern to segregate the application's concerns, enhancing the project's scalability.