Husam Kassab

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SKILLS

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

Frameworks/Technologies: Laravel, Git, Jira, MySQL, MongoDB, NodeJS, React, NextJS, JUnit, jQuery, PyTorch

Skills: API Creation, State Management, Agile & Sprint Methodologies, Debugging, Code QA, Prompt Engineering

EXPERIENCE

Kenna Technology Solutions | Full Stack Application Developer   *September – December 2024*

- Implemented **UI/UX** design based on user feedback, enhancing usability and engagement.
- Developed and optimized **RESTful APIs** using **NodeJS** and **ExpressJS,** reducing response times by **25%**
- Designed **SQL** database tables to improve query performance and data integrity, increasing system efficiency.
- Collaborated with a large team using **Git** and **Bitbucket** to streamline workflows and maintain release schedules.

Adidas Canada | Retail Sales Associate   *September 2021 – September 2022*

- Provided exceptional customer service to create a positive shopping experience for customers
- Collaborated with team members to meet store goals and resolve customer concerns promptly.

RELEVANT PROJECTS

Large Language Model Analyzer   *April 2025*

- Developed a full-stack AI chat application using **React.js, Node.js, Express.js**, and **MongoDB**, enabling real-time communication via **Socket.IO** and support for memory modes.
- Integrated models such as **claude-3.5**, **gpt-3.5**, **gpt-4o-mini**, **o3-mini**, and **o1-mini** with prompting (**Few-Shot**, **CoT**, **Role**).
- Built a **PyTorch-based ML model** to estimate token usage and cost, leveraging **Pandas** for data preprocessing and integrating visualizations using **Chart.js** and dynamic UI components.
- Secured authentication with **bcryptjs**, **express-session**, **OAuth 2.0**, and **Google APIs**, while benchmarking model performance with **BLEU, ROUGE,** and **F1 scores** via **NLTK** and **rouge_score**.

TMUsic   *May 2024*

- Developed a music-social app using **PHP**, **Laravel**, and **React.js**, with **Spotify**, **Pusher**, and **Google OAuth APIs** for real-time updates and user auth.
- Built back-end routes and secure server-side database in **PHP** using frameworks such as **Laravel** and libraries like **socialite** and **livewire**.

Urban Greenspace Management System   *April 2024*

- Coded backend with **FastAPI** and **MySQL** to manage plant watering schedules, using **Python** for scheduling logic.
- Designed the front end with **React.js** and **Tailwind CSS**, enabling plant search and management features.

EDUCATION

Toronto Metropolitan University (Previously Ryerson University)   **Toronto, ON**
B.Sc. – Computer Engineering | Software Specialization   *May 2025*

- Related Coursework: Software Systems, Computer Networks, Database Systems, Data structures and Algorithms, OOP, Software Design and Architecture, Software Requirement Analysis and SPEC

LEADERSHIP EXPERIENCE

Competitive Programming Club   **Toronto, ON**
Toronto Metropolitan University (Previously Ryerson University)   *April 2022 - Present*

- Competed in weekly competitions, attended technical interview preparations, and helped improve existing projects from other students.