Jimit Rawal

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EDUCATION

Honors Bachelor of Science in Computer Science, Co-op — Toronto, ON
Toronto Metropolitan University — *Sept 2023 - Apr 2028*

Relevant Courses: Computer Science I, Computer Science II, Linear Algebra, Computer Architecture, Probability & Statistics

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript
Libraries/Frameworks: React.js, Node.js, Bootstrap, SASS
Tools: GitHub, Visual Studio, Spyder

EXPERIENCE

Project: Human City — Toronto, ON
A.I Developer Intern — *May 2024 - Aug 2024*

- Developed and integrated a chatbot using Large Language Models (**LLM**) and Retrieval-Augmented Generation (**RAG**) at Project: Human City, leveraging **OpenAI** to enhance user interaction and information retrieval accuracy.
- Implemented data ingestion pipelines with **LlamaIndex** to parse, embed, and store unstructured text data in a vector database, **Pinecone**.
- Optimized vector storage and retrieval processes to improve the chatbot's response time and accuracy in relevancy.

Canadian Contractor Services — Toronto, ON
Front-End Developer — *Feb 2024 - May 2024*

- Designed and implemented the official website for Canadian Contractor Services, using **HTML**, **CSS**, **SASS**, **Javascript**, and **Bootstrap** framework.
- Conducted thorough testing - debugging to ensure 100% responsiveness and user-friendliness across all browsers and devices.
- Improved the website performance by 27% in mobile and desktop devices after applying **UI/UX principles** for boosting speed and efficiency.

PROJECTS

Weather Now | *Javascript, HTML, CSS*

- Integrated an **API**-driven **Javascript** platform allowing users to search for current weather conditions in any city, including temperature, humidity, and wind speed.
- Developed a functionality that leverages browser geolocation to automatically fetch and display weather data for the user's current location.
- Designed a dynamic and responsive interface using **HTML** and **CSS** that adjusts weather visuals in real-time based on current conditions and the time of day, delivering contextually relevant updates.

Uber Application Backend System |

- Developed a command-line Uber-like transit back-end application in **Java** using **OOP** principles, facilitating seamless ride sharing and delivery services.
- Designed a vigorous system for managing service requests, resulting in efficient pick-up and drop-off tasks.
- Enabled a mutual validation functionality where users and drivers can confirm ride and food delivery requests.