Jasvin Kaur

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LinkedIn || GitHub || Personal Email
Looking for summer and fall 2026 co-ops

EDUCATION

University of Waterloo, Waterloo, Ontario – Graduating in Spring 2027
- Honours Mathematics, **Major: Computational Math**

SKILLS

Programming Languages: Python, R, C, Assembly   **Database**: MySQL

Python Libraries: NumPy, Pandas, Plotly, TensorFlow, Pytorch, Scikit-learn   **Operating Systems**: Linux, Bash/Shell scripting

Web Technologies: HTML, CSS, Figma, React, Tailwind, Flask, Streamlit   **Cloud Services:** Azure AI**,** Azure Cloud

GenAI frameworks: Hugging Face, OpenAI APIs, FastAPI   **Certifications:** Microsoft Azure Cloud Computing

EXPERIENCE

Full Stack Dev, Cloud and ML student   **Starting 09/2025**
Nokia, Ottawa

Web Designer Intern   **01/2025 – 04/2025**
UW RoboSoccer - Student Design Team, University of Waterloo, Waterloo, Ontario
- Developed a **fully responsive sponsor website using React, JSX, HTML, and CSS**, ensuring pixel-perfect alignment with original **Figma** designs across mobile, tablet, and desktop.
- Simplified styling by **20%** through clean, modular CSS and strategic use of **Tailwind** utility classes. Transformed **static Figma mockups** into **reusable, interactive React components**, improving maintainability and accelerating future updates.

AI Developer Intern   **09/2024 – 12/2024**
Innovate4good, Los Angeles, California
- Researched and evaluated multiple **ML models and training algorithms,** selecting the optimal **EfficientNet** architecture for real-time image analysis, achieving **95% accuracy** across various product use cases after fine tuning it to our dataset.
- Improved **text recognition** for engraved texts by refining image preprocessing with OpenCV and utilizing OCR models.
- Integrated ML models using **FastAPI** into a mobile application with my cross functional team, ensuring seamless functionality and conducting **extensive testing** to validate performance and usability.

Undergraduate Research Assistant   **10/2023 – 12/2023**
University of Waterloo, Waterloo, Ontario – (Under Prof. Bessma Momani)
- Conducted **qualitative digital data collection** that helped to produce outputs such as policy briefs.
- Contributed to a diverse database of digital content and **organized data** for **systematic tracking** and cross-referencing.

Data Scientist Intern   **05/2023 – 08/2023**
Microsoft Azure (WEA), Waterloo, Ontario
- Contributed to the development of an innovative **AI chatbot** utilizing **Microsoft Azure AI and Azure Cloud to** enhance travel plan accessibility, while collaborating **cross-functionally** on a **strategic marketing plan** to boost market potential and **user adoption.**
- Proposed integration of **text-to-speech** and **speech-to-text features** to **enhance accessibility**, resulting in a **30% increase in user accessibility** to travel plans.
- **Scraped data** from **over 10 travel websites**, including Accessibility sites, Travel advisors, and Hotel offerings, aggregating data for **over 100,000 travel options using APIs.**

ACADEMIC PROJECTS

ArguMint: AI–Powered Argument Analyzer   **May 2025**
Python, Streamlit, Llama.cpp, GGUF model (TinyLlama), Semantic Scholar API, scikit-learn, NLP, Requests
- **Developed an interactive assistant**, using Streamlit and Llama to evaluate user argument based on academic research, leveraging a **local GGUF** model and **Semantic Scholar API** to retrieve and rank top 3 research abstracts using **TD-IDF** and **cosine similarity.**
- **Optimized LLM feedback accuracy coherence by 70%** by dynamically summarizing abstracts to stay within token limits and prompting the LLM with structured tasks.

Github Repo Search Tool   **Apr 2025**
Python, Flask, HTML/CSS, Github API
- Developed a full-stack GitHub repository search tool using **Flask and JavaScript**, enabling users to search across **100M+** public repositories and view top **10 results ranked by stars, forks, and descriptions**.
- Integrated **GitHub REST API** and implemented a favorites-saving feature, resulting in **a 3 times faster search-to-save** workflow compared to manual browsing.