Jashanpreet Singh

2-265 Regina Street N - Waterloo, Ontario – N2J 3B9

647-922-9917 | jash6749@mylaurier.ca | GitHub | LinkedIn

EDUCATION

Wilfrid Laurier University, Waterloo, ON   *2023 - Present*
Honours Bachelor of Science in Computer Science, Co-op Program
- GPA of 3.52 and recipient of President's Gold Scholarship renewable over 4 years

HACKATHON

Local Waste Disposal Program, HackCanada | JavaScript, HTML, CSS, SQL, React, Firebase   *Feb.2025*
- Collaborated with a team of 4 in a fast-paced hackathon using agile methods, participated in daily standups, delegated frontend/backend tasks based on strengths, brainstormed UI/UX features together, and collectively set short-term development goals
- Worked on a responsive web application software using React, JavaScript, Firebase, and React to deliver localized recycling rules searched with user's postal from open government data by focusing on a user-centered experience and seamless navigation
- Used Git for version control across all team members' machines and Visual Studio Code for development, demonstrating problem-solving skills by resolving version control issues and layout issues under tight deadlines

PROJECTS

"The Quad" Event Calendar | JavaScript, Express.js, Node.js, SQL   *Jan 2025 – Mar 2025*
- Collaborated in a 12-member team to architect an OOP service layer and RESTful APIs in Express.js, modeling events and resources with Cloudflare D1 and R2 for scalable event management for students and university staff
- Co-authored SPMP, SRS, and UML class/sequence diagrams using Draw.io and MermaidJS; led design-review workshops to translate specifications into modular, testable code
- Streamlined Software Development Life Cycle by managing GitHub and sprints, leading daily stand-ups, writing a shared knowledge base, and implementing secure JWT authentication with optimized database schemas

AI and Algorithms Projects | Python, Java   *Oct. 2023 - Mar 2024*
- Built a **Heredity simulation** software in Python to calculate genetic trait probabilities, utilizing CSV parsing and probabilistic models for inheritance patterns improving ability in statistical models and Object Oriented Principles
- Implemented a **Degrees of Separation** terminal-run algorithm in Python to find the shortest path as integer value between two actors, input by user, based on their shared films, utilizing CSV data loading, graph traversal with BFS, and data structures
- Developed a classic terminal based **Battleship** game in Java, implementing algorithms, developed a more robust understanding of object-oriented principles, game mechanics, and algorithmic problem-solving through game design and logic implementation

EXPERIENCES

AI Training Engineer, Outlier (*Remote***)**   *Jan. 2025 – Present*
- Contribute to training LLMs by crafting and answering complex coding prompts in Java, Python, JavaScript, and C to improve the AI's ability to generate high-quality code and improving personal problem-solving and debugging skills, measured by high qualitative scores
- Evaluate and rank AI-generated code by analyzing logic, syntax, adherence to guidelines, ensuring outputs meet organisation standards
- Apply knowledge of algorithms, data structures, and language-specific paradigms to collaborate asynchronously with cross-functional teams, providing structured feedback that supports iterative AI model improvement and technical documentation efforts
- Strengthen debugging and software design skills through code analysis and reverse-engineering, enhancing personal proficiency in problem-solving and clean programming

Kitchen and Catering Supervisor, Wilf's Restaurant & Bar (*Waterloo, ON***)**   *Sep. 2023 – Present*
- Oversee kitchen operations and catering services by clear communication with staff and managers, training new hires, and monitoring all food stations to ensure high-quality food service in a fast-paced environment
- Strengthen leadership through coordinated event catering by assigning tasks, identifying and debugging miscommunication in orders, resulting in a rise in customer satisfaction and positive feedback from manager and co-workers

Leadership Experiences (*Waterloo, ON***)**   *Jan. 2024 – Mar. 2024*
- Served as an ambassador for the **re.generation** clean economy program for the Kitchener-Waterloo Area by promoting the organisation's principles of 're_imagine, re_purpose, and re_model' on campus with posters and social media encouraging students to develop a sustainable lifestyle; received favorable reviews from environment conservation mentors
- Collaborated with **Nurture at Changemaker Labs**, UWaterloo; where designed a scalable vermicomposting-bin (worms in bins converting organic waste to manure) solution for waste management in high schools, strengthening project design, problem-solving skills, and honed presentation skills within a non-profit setting; received positive feedback from judges and motivation to pursue real-world implementation