

JASLEEN KAUR

236-632-9260 | jka349@sfu.ca | linkedin.com/in/jasleen-kaur-99a534297/ | jasleenkaur.dev | github.com/chasemira

EDUCATION

Simon Fraser University

Bachelor of Science in Computer Science

Burnaby, BC

Sep 2023 – May 2027 (Expected)

- **Relevant Coursework:** Data Structures & Algorithms, Artificial Intelligence, Applied Linear Algebra, Discrete Mathematics, Probability and Statistics for Computing Science, Computer Systems, Database Systems, Software Engineering
- **Awards:** Google HTS Hackathon Runner-Up (2025), Dean's Honour Roll (Fall 2024)

EXPERIENCE

Software Developer | SFU Robot Soccer Club, Burnaby, BC

Sep 2025 – present

- Collaborating with the software team to develop core and support elements of the robotic soccer system using a C++ tech stack.
- Contributing to AI and robotic control algorithms, command-and-control systems, and GUI improvements.
- Engaging in pair programming, code reviews, and documentation to build both technical and teamwork skills.
- Currently onboarding to projects focused on data systems and real-time robotic decision-making.

Director of Marketing (previously Marketing Coordinator) | SFU Data Science Student Society, Burnaby, BC

Apr 2024 – present

- Promoted to Director in Apr 2025 after strong performance as Marketing Coordinator.
- Lead a cross-functional team to deliver campaigns on time and at high quality, mentoring members and delegating tasks effectively.
- Set strategic direction for event promotion and oversaw content/analytics, driving measurable growth in audience engagement.
- Designed and executed marketing for major events (e.g., Globalytics), achieving a 60% increase in social media engagement and higher event attendance.

PROJECTS

LearnVerse | React.js, HTML, CSS, JavaScript, Firebase, Git

Jan 2025 – Present

- Built a scalable React.js frontend with a Firebase backend, delivering a seamless, community-driven user experience for global learners.
- Engineered skill-trading platform architecture aligned with the UN's Quality Education goal, reducing financial barriers to access.
- Implemented modular authentication, real-time database sync, and responsive UI components using JSX, React.js, and Firebase.
- Initiated integration of Azure Cognitive Services to enable real-time translation, enhancing cross-language collaboration and inclusivity.
- Achieved 2nd place in a semester-long hackathon, competing against 12 teams and recognized for innovation, impact, and implementation.

SFU HUB | React.js, HTML, CSS, JavaScript, Git, JSX

Sep – Nov 2024

Introduction to Software Engineering | CMPT 276 | SFU

- Collaborated with a cross-functional team of 6 to develop a centralized resource platform for SFU students, improving accessibility and usability of campus services.
- Designed and implemented the frontend using React.js, JSX, HTML, CSS, and JavaScript, integrating Git workflows to streamline version control and collaborative development.
- Served as Scrum Master, leading sprint planning, facilitating communication, and ensuring on-time delivery of iterative releases under Agile methodologies.
- Applied software engineering best practices to deliver a functional web solution, gaining hands-on experience in team management, problem-solving, and scalable frontend architecture.

Invisible Cloak | Python, OpenCV, NumPy

Aug 2024

Data Structures and Programming | CMPT 225 | SFU

- Developed a real-time computer vision application inspired by the “Invisibility Cloak” concept, using color detection and background replacement to make targeted objects appear invisible on video.
- Engineered stable background capture by averaging multiple frames, then applied masking techniques to seamlessly blend the processed feed with the stored background.
- Optimized performance for live webcam input, enabling smooth frame rendering and responsive invisibility effects.

Bank Simulation | C++, Data Structures

Jul 2024

Data Structures and Programming | CMPT 225 | SFU

- Built a transaction-driven bank simulation handling customer arrivals, service, and departures with efficient event management.
- Implemented priority queue and binary heap sort algorithms to significantly improve transaction processing speed and scalability.
- Enhanced overall system efficiency through iterative testing, targeted debugging, and advanced data structure optimization techniques.
- Delivered a robust, scalable simulation capable of supporting high-volume transaction workloads under varied operational conditions.

TECHNICAL SKILLS

Programming Languages: Python, C/C++, JavaScript, Typescript, HTML, CSS, Tailwind CSS, SQL, XML, MATLAB

Frameworks & Databases: React.js, Node.js, Next.js, Firebase, PostgreSQL, MongoDB

Developer Tools: Git, Docker, VS Code, Figma