JASLEEN KAUR

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

EDUCATION

Simon Fraser University Burnaby, BC

Bachelor of Science in Computer Science *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

MedVerse | *React Native, Node.js, Express, MongoDB, Google Gemini API* *Oct 2025 – present*

- Developed a hybrid AI–human healthcare platform that delivers anonymous, AI-assisted assessments verified by medical students.
- Integrated LLM models for structured preliminary diagnoses with human validation to preserve empathy and accountability.
- Developed responsive React Native interfaces for users, volunteers, and supervisors, ensuring intuitive navigation and data flow.
- Collaborated on backend integration for secure data handling and report delivery to maintain seamless user experience.
- Designed human-in-the-loop workflows providing medical students volunteer opportunities while supporting global accessibility.

LearnVerse | *React.js, HTML, CSS, JavaScript, Firebase, Git* *Jan – May 2025*

- 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

TECHNICAL SKILLS

Programming Languages: Python, C/C++, JavaScript, Typescript, HTML, CSS, Tailwind CSS, SQL, XML, MATLAB
Frameworks & Databases: React.js, React Native, Node.js, Next.js, Firebase, PostgreSQL, MongoDB
Developer Tools: Git, Docker, VS Code, Figma, REST APIs, LLM Integration, Agile Development