

JASLEEN KAUR

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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

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 services.
- 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.

EXPERIENCE

Director of Marketing | *SFU Data Science Student Society, Burnaby, BC*

Apr 2025 – present

- Lead a cross-functional marketing team, delegating tasks and mentoring members to deliver campaigns on time and at high quality.
- Set strategic direction for event promotion, aligning marketing initiatives with DSSS goals and brand identity.
- Oversaw content planning and analytics review to optimize engagement, contributing to measurable growth in audience reach.

Marketing Coordinator | *SFU Data Science Student Society, Burnaby, BC*

Apr 2025 – present

- Designed event advertisements and promotional materials that increased attendance and engagement.
- Managed social media content scheduling and community interaction, achieving a 60% growth in engagement through targeted campaigns.
- Coordinated marketing for the flagship Globalytics event, including promotion, documentation, and real time updates.

EDUCATION

Simon Fraser University

Burnaby, BC

Bachelor of Science in Computer Science

Sep 2023 – May 2027 (Expected)

- Dean's Honour Roll: Fall 2024