Jaskirat Gill

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EDUCATION

University of British Columbia — Vancouver, BC
Bachelor of Science in Computer Science — *Completion May 2026*

PROJECTS

UBC Student Hub | *TypeScript, React, DynamoDB, HTML/CSS* — June 2024 – Present
- Developed a chrome extension and website with 5000+ users with a small team of developers.
- Reverse engineered API calls to fetch data from various sources
- Utilized DynamoDB for storing user data

Explore Vancouver Web App | *Javascript, React, AWS EC2, HTML/CSS* — Aug 2023 – Present
- Developed a web application using React to plot 14,000 geographical features from city's Open Data program.
- Deployed application to a scalable AWS EC2 instance with a peak of 3000 monthly visitors.
- Utilized Material-UI library and CSS styling for a dynamic and responsive user experience.
- Leveraged MapBox API to parse and display CSV data.

Music Recommendation Generator | *Javascript, React, Spotify API, HTML/CSS, Git* — Aug 2023 - Sep 2023
- Programmed a React app to recommend upto 100 songs given seed artists and/or songs.
- Implemented Spotify OAuth authorization code flow to generate authentication tokens to interface with API.
- Utilized HTML, CSS & Spotify design guidelines to provide a consistent UI.
- Deployed project using Netlify synced with a Github repository for easy publishing of changes.

EXPERIENCE

Web App Developer — Nov 2023 – Present
Freelance — *Surrey, BC*
- Developed an application to share the stories of 80 veterans as per client specifications using React frontend.
- Established database schema and implemented tables using MySQL.
- Used Python & Flask to allow fetching of data from database.
- Constructed templated pages that allows for frontend to generate dynamically when new data inputted to database.

Finance & Client Relations Manager — Jan 2020 – Present
A1 Deal Framing LTD — *Surrey, BC*
- Brought in 20% more clientele through creating a website and digital campaigns on Facebook and Google.
- Developed, deployed and maintained solutions to track project completion, employee wages, taxes, quotations and invoicing using Microsoft Word and Excel.

Teaching Assistant — Jul 2021 – Nov 2023
Kumon Math & Reading — *Langley, BC*
- Taught 40+ students aged 5 through 16 math topics ranging from addition to calculus.
- Marked 500+ sheets of homework and classwork weekly.

Royal Canadian Cadet Training Center - Cadet Instructor — Jul 2021 – Nov 2023
Department of National Defence — *Surrey, BC*
- Presented lectures on effective communication skills and effective instructional techniques to over 100 youth.
- Translated traditional, face-to-face instructional techniques into virtual lectures due to the COVID-19 pandemic.

TECHNICAL SKILLS

Languages: Python, JavaScript, C/C++, SQL, Java, HTML/CSS
Frameworks: React.js, OpenCV, Node.js, Flask, JUnit, WordPress, FastAPI
Developer Tools: Git, Docker, Oracle, AWS (EC2 & S3), Google Cloud Platform, VS Code, IntelliJ, Eclipse
Libraries: pandas, NumPy, skLearn, Matplotlib, Material-UI