

# Vaibhav Sharma

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## EDUCATION

### University of British Columbia

Bachelor of Science, Combined Major in Science

Vancouver, BC

Expected Apr. 2026

- Participated in **20+ Hackathons**, Winner at **HackTheNorth 2023**, Winner at **ProduHacks 2024**, Mentored at **HackCamp, nwHacks, & BCS Hacks**; **CSSS (Computer Science Student Society) Member, UBC**
- Proficient in project management with a portfolio of over **30 Projects** [↗](#) spanning various domains.

## EXPERIENCE

### Web Developer/Marketing Director

Combined Major in Science Student Association

Sep. 2023 – Present

Vancouver, BC

- Led a team of **7 members** to develop the club's website, resulting in a **50% surge** in user engagement within the inaugural month of launch.
- Modernized the club's promotional website using **HTML, CSS, and Javascript**. Employed frameworks such as **Three.js, Vanta.js, GSAP, and JQuery** to create an interactive UI.
- Facilitated the onboarding of **50 individuals** into the club by creating promotional content for the Instagram page and optimizing the website's registration platform.

### Software Developer Freelance

Apptom Electronics Pvt. Ltd.

Jun. 2023 – Sep. 2023

Remote

- Developed frontend and implemented backend API for chat application, seamlessly integrating with **Socket.io, Express.js, Moment.js**, and MongoDB for efficient data management.
- Successfully hosted the platform on **cPanel** and **WHM hosting service**, including DNS configuration for optimal accessibility.
- Engineered the backend infrastructure for **Google Authentication** and **Google Meet generation**, employing the **Google Cloud Platform**, MongoDB, and Moment.js to ensure secure and efficient functionality.

## PROJECTS

### [HonkHonkHire](#) [↗](#) | *Express.js, MongoDB, Google Cloud Platform, Firebase, CohereAI*

Sep. 2023 – Sep. 2023

- Led a collaborative team to develop a MongoDB-awarded full-stack web app, showcasing strong teamwork through efficient task coordination and open communication.
- Integrated **Google's APIs and MediaPipe**, achieving **30% faster processing** and **40% higher accuracy** for speech and facial detection, enhancing app performance and user satisfaction.
- Leveraged **OCR Space's API** for universal resume text detection, facilitating recognition of resumes in any format, alongside **Cohere-AI's Completion API** for efficient question generation and answer analysis.

### [superT3](#) [↗](#) | *Java, Advanced OOPs, Swing, JUnit, JSON*

Feb. 2023 – Apr. 2023

- Designed and developed an advanced **ultimate tic-tac-toe game** featuring nested grids within a larger grid.
- Implemented a game **state-saving/loading** mechanism using **JSON**, allowing users to resume their games.
- Crafted a pleasing user interface using **Swing** with carefully chosen contrasting colors for enhanced accessibility.
- Conducted comprehensive unit testing of the game using **JUnit**, ensuring thorough coverage of all functions and scenarios.

### [Portfolio](#) [↗](#) | *React, React-3-Fiber, Three.js, Spline, Moment.js*

Mar. 2024 – Mar. 2024

- Crafted with cutting-edge technology, the website offers an immersive 3D room model within a Macbook, integrating smooth camera animations powered by **react-spring and Tween.js** to enhance user interaction.
- Integrated **Spotify API** to fetch and display my current favorite song, adding a personalized touch to the user experience, while leveraging optimized **React components and hooks** for enhanced website performance.
- Meticulously optimized lighting and textures ensure a seamless browsing experience, resulting in a **15% increase in website performance and reduced load times**, underscoring a commitment to user satisfaction.

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL, JavaScript, TypeScript, HTML, CSS, R, Dart, EJS

**Frameworks:** React, Vue, Svelte, Bootstrap, JUnit, Node.js, Express.js, Electron.js, Flutter

**Developer Tools:** Git, Google Cloud Platform, Microsoft Azure, Google Firebase, VS Code, Figma

**Libraries:** Axios, Moment.js, GSAP, Socket.io, OpenAI, Discord.js, Bcrypt, Swing, QuickChart, JWT