

Vaibhav Sharma

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EDUCATION

University of British Columbia

Bachelor of Science, Combined Major in Science

Vancouver, BC

Sep. 2022 – Present

EXPERIENCE

Winner at HackTheNorth

Sep. 2023 – Sep. 2023

University of Waterloo

Waterloo, ON

- Successfully secured a spot in the hackathon, standing out among **7000+ global applicants**, and collaborated effectively as the **backend developer** in a four-member team.
- Leveraged a variety of technologies to develop a minimum viable product during **Canada's largest hackathon**.
- Achieved recognition for **Best Use of MongoDB** by **MLH (Major League Hacking)** from a pool of 250 projects and in competition with over 1000 participants.

Software Developer Freelance

June. 2021 – Sep. 2021

Apptom Electronics Pvt. Ltd.

Gurgaon, India

- Developed the frontend of a chat page and seamlessly integrated it with **Socket.io** and Express.js API.
- Designed and implemented the backend API for the chat application, utilizing **Moment.js**, Express.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

- Developed a full-stack web application that generates AI-based interview questions using the user's resume and provides feedback using speech and facial expressions analysis.
- Implemented **Google's Vision API**, **Speech-to-Text API**, **Text-to-Speech API**, **Firebase Storage**, and **MediaPipe** for speech and facial expressions detection.
- Used **OCR Space's API** to detect resume text and **Cohere-AI's Completion API** to generate questions and analyze answers.
- Developed backend using Express.js, MongoDB, and EJS.

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

February 2023 – April 2023

- Designed and developed an advanced **ultimate tic-tac-toe game** featuring nested grids within a larger grid.
- Implemented a game state **saving/loading** functionality 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.

[Local Party](#) | *Electron.js, Express.js, MongoDB, Socket.io, Vanilla.js*

Mar. 2021 – June 2022

- Designed and developed a unique website enabling users to create chat rooms for **synchronized viewing** of local video files with friends. Users could **create personal rooms** and **join them** using room codes.
- Seamlessly integrated **Socket.io** and the backend API to create a synchronized platform.
- Successfully hosted the web application on **Heroku**, attracting over **1000 users** and gaining recognition with **214 stars** on the GitHub repository.

[More Projects](#)

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, R, Dart, EJS, DrRacket

Frameworks: React, Bootstrap, Svelte, JUnit, Node.js, Express.js, Electron.js, Flutter, Discord, Chrome Extensions

Developer Tools: Git, Google Cloud Platform, Microsoft Azure, Google Firebase, VS Code, PyCharm, IntelliJ, Figma, Android Studio, AdobeXD, Adobe After Effects

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