

Gautham Venkateshwaran

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EDUCATION

University of British Columbia

Bachelor of Science, Expected Computer Science Major - 90.0% Weighted Average

September 2024 - May 2028

Vancouver, BC

EXPERIENCE

Experiences Director

UBC BizTech

September 2024 - Present

Vancouver, BC

- Spearheaded a behavioral interview workshop, which offered recruiter-curated feedback to **200+** attendees
- Managed logistics for UBC BizTech's largest conference, *Blueprint*, with over **280+** attendees and **40+** companies

Co-founder

CTRL Hacks

February 2023 - October 2023

Calgary, AB

- Co-founded **Calgary's largest** High School hackathon, with **\$2000+** in sponsorships from **7** companies
- Garnered **113 participants** and **6 industry-professional judges** by building an interactive *Three.js-powered website*, and leading direct outreach to **12** high schools on various social media platforms

Co-president

Churchill VEX Robotics Club

September 2022 - June 2024

Calgary, AB

- Mentored **100+** students, directly leading **two** junior teams to qualify for the **World Championship**
- Created **21** educational robotics resources, driving a **350%** increase in awards received by our club in a year
- Raised over **\$1200** through organizing logistics for bottle drives and securing sponsorships

Teaching Assistant

Spirit of Math Schools Inc.

September 2020 - June 2021

Calgary, AB

- Taught **20+** Grade 3 students with math **one grade above** their initial grade level
- Tutored students 1-on-1 with 5+ students per class to bolster their creative thinking and problem-solving intuition

PROJECTS

AI Interviewer Companion | *OpenAI Realtime API, Next.js, Stream, WebRTC*

December 2024 - Present

- Developed an AI assistant with Next.js and OpenAI's real-time API for a **research study** with **20+ participants**, set for submission to the **UIST conference (600+ submissions)** in April

LifeLink | *Arduino, ESP32, OpenCV, LangChain, AI, Firebase, React-Native*

July 2024

- Won **1st place** and **\$1750** at *Medihacks 2024*, a hackathon with **493 participants**, by creating a **\$10** hardware module to send emergency alerts to **save lives in third-world countries** or regions lacking mobile access

SeedPod | *Arduino, ESP32, OpenCV, Next.js, Firebase*

November 2023

- Won **1st place** and **\$5000** at *Hack the Change YYC*, a university hackathon with **275 participants**, by developing an Arduino-powered self-sufficient plant pod, a gamified frontend, and OpenCV-powered monitoring system

Autonomous Path Planner for VEX Robotics | *Fabric.js, GSAP, Tailwind*

October 2023

- Developed a visual path-to-code editor with **Fabric.js** and **Tailwind**, which has seen use by **40+** members in our school club, and featured in a *Pits and Parts Interview by FUN-RECF* with **4700+** views

Mecha Mayhem Website | *Next.js, Tailwind, Firebase, Framer Motion, GCP*

June 2022 - Present

- Co-developed the website for **Canada's largest robotics competition** with Next.js, now with **5000+** visits

AWARDS

- 2024 VEX Robotics Provincial Excellence Award** - the highest judged honor awarded to any single team
- 2x Worlds-Qualified** - Qualified for the *VEX Robotics World Championship* in 2023 and 2024
- 3rd Place** at *STEMist Hacks II* - an university level hackathon with **630 participants**
- 3rd Place** at *SimpliHacks 2.0* - a high school and university level hackathon with **401 participants**

SKILLS

Languages: Python, JavaScript/TypeScript, HTML/CSS, Java, C++

Tools/Libraries: Tensorflow, OpenCV, Langchain, React, Next.js, React-Native, Tailwind, Three.js, Arduino, Firebase