

VAIBHAV GUPTA

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PROFILE

Computer Science student with strong programming and critical thinking skills demonstrated through coursework and practical projects. Developed an AI-powered safety app using JavaScript, React, and Django with real-time emotional monitoring capabilities. Active participant in **Hackathons** and **CTF competitions** highlighting adaptability and technical expertise. Proven leadership experience through VP roles, shown by academic achievements including Ontario Scholar, Medallion Award and University of Toronto Scarborough Entrance Scholarship.

EDUCATION

Honors Bachelor of Science in Computer Science | University of Toronto Scarborough
September 2023 – September 2027

- University of Toronto Entrance Scholarship Recipient
 - **Relevant coursework:** Software Design, Computer Organization, Intro to Software Engineering
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PROJECTS

AI Safety App “SafeOStroll” | *Hack the Valley 9* | November 2024

- Developed an AI-powered app to monitor user emotions in real-time, providing calming resources or connecting to emergency services based on emotional indicators.
- Implemented seamless voice interaction with WebRTC for continuous user-AI communication.
- Integrated HERE Maps API for location tracking and emergency routing.

CREATE Club Website | *C.R.E.A.T.E. Club* | May 2025

- Designed and developed the official website as VP of Tech using React and TailwindCSS.
- Implemented a modular frontend integrated with the backend to support club activities and project displays.

QualiD App and Website | *Intro to Software Engineering* | January – April 2025

- Building a web platform for QualiD, a startup simplifying ESG reporting through centralized data and AI.
 - Collaborating with a cross-functional team to design scalable architecture and intuitive interfaces.
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SKILLS

Programming Languages: Python, Java, C, JavaScript.

Web Technologies: REACT, Django, REST APIs, WebRTC.

Database Softwares: PostgreSQL, SQLite.

Software Tools: Docker, Git, TailwindCSS.