

# Pranay Harpalani

226-501-7697 | [pranayharpalani@icloud.com](mailto:pranayharpalani@icloud.com) | [linkedin.com/in/pranayharpalani](https://www.linkedin.com/in/pranayharpalani) | [pranayharpalani.com](https://pranayharpalani.com)

## EDUCATION

### Bachelor of Computing - Computer Science, Minor in Economics

Sep 2022 - May 2026

University of Guelph

Guelph, ON

- **GPA:** 3.7/4.0.
- **Relevant coursework:** Databases, Software Engineering, Mobile Development, Artificial Intelligence, Finance.
- **Leadership:** Vice President of College of Engineering Student Council, Senate Representative for B. Computing.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C/C++, TypeScript, HTML/CSS, SQL.

**Frameworks / Libraries:** React, Angular, Next.js, Three.js, Flask, HuggingFace, SQLite, Firebase.

**Developer Tools:** Git, Linux, Unix, AWS, Terraform, Docker, PostgreSQL, Jira, Tableau, Power BI, Excel.

## PROJECTS

### Student Sphere (McHacks Winner) | Python, React, TypeScript, Firebase, Next.js, OpenAI [studentsphere.co](https://studentsphere.co)

- Developed an exclusive student housing platform where verified university students can **compare rental prices**, **share reviews**, and **analyze lease agreements**.
- Implemented **AI-powered lease analysis** using OpenAI API, incorporating tokenization, prompt engineering, model fine-tuning, and response evaluation based on real lease data, helping students identify hidden fees.

### Out The Groupchat | Next.js, React, JavaScript, Firebase, Google Cloud, TailwindCSS [outthegroupchat.ca](https://outthegroupchat.ca)

- Created a dynamic scheduling app using Next.js and Firestore, enabling users to **create, customize, and share fun-filled itineraries** for group trips and vacations, making planning more enjoyable and coordinated.
- **Accumulated 30+ active users** while deploying on Google Cloud with **scalable infrastructure** for storage and user authentication, creating an engaging experience with features like shareable calendar links.

## EXPERIENCE

### Data Structures & Computing Teaching Assistant

Sep 2024 - Present

University of Guelph | C, Python, Git, Excel

- **Taught fundamental data structures**, including trees, graphs, linked lists, and pointers, to over 80 students through lab sessions and **programming in C**.
- Streamlined grading and feedback using Python scripts to evaluate programming assignments, **reducing grading time from 2 weeks to 30 minutes**.

### Blockchain & Web3 Security Researcher

Jul 2024 - Aug 2024

Webacy | Excel, Tableau, Canva, Microsoft Office

- **Analyzed 20 emerging blockchain technologies**, evaluating their innovation potential and identifying opportunities for Webacy to leverage them in enhancing its platform.
- Presented key findings, including 4 promising technologies, to stakeholders, leading to **valuable insights on security trends and innovation**, and receiving positive feedback on the strategic direction.

### Software Developer Intern

Jan 2024 - Apr 2024

Teachify AI | React, JavaScript, HTML/CSS, Docker, Next.js, Supabase, Jira, Git

- **Developed React components** for the flagship website of an AI-driven education startup, leveraging Agile methodologies to manage projects effectively.
- **Created Dockerfiles** and set up infrastructure for **Docker containers**, implementing reverse proxying with SWAG for secure access. Configured deployment workflows with GitLab SSH keys to securely deploy applications.

### Software & Automations Developer

Sep 2023 - Apr 2024

Google Developers Student Club | Python, Firebase, Trello, Git

- Implemented Python scripts to automate emails, **improving task completion from 5 minutes to 30 seconds** per email for over 1000+ emails, playing a key role in securing over \$15,000 in sponsorship funds.
- **Mentored hackers** in GDSC Hacks, a Hackathon with over 250 in-person attendees, while **hosting workshop events** on innovative technologies like **Firebase and Git**.