Pranay Harpalani

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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.

EXPERIENCE

Incoming Finance & Generative AI Intern　　　　　May 2025 - Aug 2025
Zafin

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.

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.**

PROJECTS

Student Sphere (McHacks Winner) | *Python, React, TypeScript, Firebase, Next.js, OpenAI*　　　studentsphere.co

- Developed the **complete front-end** for 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.