

# 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:** Data Structures, Operating Systems, Software Development, Finance, Accounting.
- **Leadership:** Vice President of College of Engineering Student Council, Senate Representative for B. Computing.

## TECHNICAL SKILLS

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

**Frameworks / Libraries:** React, Angular, Next.js, Three.js, JavaFX, JUnit, SQLite, Firebase.

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

## EXPERIENCE

### Incoming Data Structures Teaching Assistant

Sep 2024 - Dec 2024

University of Guelph

### Blockchain & Web3 Security Researcher

Jul 2024 - Aug 2024

Webacy

- Conducted comprehensive **blockchain technology analysis** by identifying emerging technologies, assessing their market positioning and technical offerings, effectively identifying industry trends and innovation opportunities.
- Synthesized research findings to create a **strategic market map**, culminating in the recommendation of **cutting-edge blockchain solutions** tailored to enhance company competitiveness in the **digital landscape**.

### Software Developer Intern

Jan 2024 - Apr 2024

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

- Contributed to a startup specializing in AI-driven solutions for education, developing **React components** for company's flagship website. Adopted **Agile** methodologies for effective project management.
- Drove **documentation** for **20% of code changes** and design updates, fueling accelerated development cycles and smoother on-boarding for new hires, ultimately optimizing **project delivery** and efficiency.

### Software & Automations Developer

Sep 2023 - Apr 2024

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

- Orchestrated **Python scripts** to automate routine tasks like emails, speeding up completion by **over 95%**. Resulting instrumental 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 & ENTREPRENEURSHIP

### Web Development Agency | React, JavaScript, TailwindCSS, HTML/CSS, AWS Cloudfront, AWS S3

- Led **end-to-end development** for a diverse portfolio of clients, from solopreneurs to companies generating \$200K+ in revenue. Delivered **responsive websites** and focused on business optimization and **user experience**.
- Deployed **high-traffic websites** using **AWS CloudFront** for global scalability, reducing latency for worldwide audiences. Delivered tailored solutions that **boosted online presence** and **client conversions**.

### Operating System Projects | C, Linux, Unix, Makefile, GitLab, Docker

- Developed high-performance **Linux applications** for coursework, including a multi-threaded spellchecker and an alphabet histogram generator, demonstrating expertise in **multi-threading** and **interprocess communication**.
- Achieved perfect scores of 100 in both projects by effectively utilizing advanced programming concepts such as **pipes**, **signals**, and **multiple process management**.