Vamsi Gajjela

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Education

University of Toronto *Sept. 2019 - Present*

Honours Bachelor of Science (Computer Science)
Relevant Courses: Operating Systems, Introduction to Databases, Principles of Computer Networks, Programming on the Web, Scalable Computing

Skills

Languages: Python, Ruby, Java, C, JavaScript, SQL
Technologies: Django, Ruby on Rails, React

Employment

Demonware, Software Development Intern, Vancouver, BC *Sept. 2023 - Apr. 2024*

- Reduced over 6 million false positive player reports per month by redesigning the escalation system
- Improved build times and docker image access latency by 87.5% by rebuilding the CI/CD pipeline
- Transformed reform mechanisms for bad actors to be dynamically configurable (impacts 200,000+ players per day)
- Expanded A/B testing capabilities to work for all player report types
- Created alarms with PromQL in order to alert the team when services were non-functional

University of Toronto, Teaching Assistant - Introduction to Computer Science *Jan. 2023 - Apr. 2023*

- Conducted labs for more than 100 students to strengthen topics learnt in lecture
- Taught and clarified key software topics including memory models, OOP , data structures and algorithms to first year students

Shopify, Software Developer Intern, Toronto, ON (Remote) *June. 2022 - Aug. 2022*

- Developed capabilities to better detect and deny suspected bot checkouts, protecting all flash sales (10% of Shopify Gross Merchandise Volume)
- Improved bot observability for engineers by creating a Datadog dashboard to better display scores from Captcha providers
- Improved Slack integration UX for tracking flash sales by reducing obfuscation

Shopify, Software Developer Intern, Toronto, ON (Remote) *Jan. 2022 - Apr. 2022*

- Assisted in the implementation of hCaptcha to enhance the Shopify bot protection experience
- Designed and implemented a new service to detect and flag auto-checkout bots during flash sales, blocking up to 65% of the fraudulent orders
- Tracked unique user interaction metrics for checkouts to investigate potential bottlenecks in performance

Projects

URL Shortener

- Designed and created a URL shortener using Django, SQLite, HTML, and CSS
- Built a simple user interface and served users by deploying the application onto Heroku