VAMSI GAJJELA

EMAIL: vmgajjela@gmail.com **PHONE:** 416-523-0913
GITHUB: VamsiGajjela

EDUCATION

University of Toronto Sept. 2019 - Current
Honours Bachelor of Science (Computer Science)
Relevant Courses: Software Design, Software Tools and Systems Programming, Data Structures and Analysis, Computer Organization, Algorithm Design and Analysis, Operating Systems, Probability and Statistics

SKILLS

LANGUAGES: Python, Ruby, Java, C, SQL, HTML, CSS
TECHNOLOGIES: Django, Ruby on Rails, Git

EXPERIENCE

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

- Developed a new type of bot event to better deny suspected bot checkouts, impacting all flash sales (10% of Shopify Gross Merchandise Volume)
- Dispatched scores from Captcha providers to dashboards on Datadog to better observe bot behaviour
- Modified existing Slack integration to better track flash sales by removing obfuscation in existing commands and sanitizing outputs
- Utilized Splunk and Mode Analytics to debug, fix, and also validate responses from flash sales

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 interaction metrics for checkouts to investigate potential bottlenecks in performance

University of Toronto, *Math Circles TA* Sept. 2021 - Dec. 2021

- Developed workshops to introduce university level math and computer science topics to high school students
- Conducted sessions on the importance of math in computer science for 27 students
- Aided other TAs and the professor with their individual sessions

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

File Compression/Decompression

- Utilized Huffman trees to perform lossless compression and decompression of files by mapping symbols to codes according to their frequencies
- Decompression is achieved by traversing the appropriate path on the tree
- Supports a variety of file types including .txt, .mp3, .wav, .jpg, and .bmp files

HOBBIES

Karate, Swimming, Soccer, Hiking, Gardening