

Param Thakkar

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EDUCATION

University of Waterloo

Pursuing a Bachelor of Computer Science (BCS)

EXPERIENCE

Software Developer Intern

May 2023 – August 2023

zipBoard

Vancouver, Canada

- Worked on the flagship project management and document review platform using React, Node, and MongoDB
- Created the ability to @mention others in comments
- Researched various techniques to categorize tasks including training a custom classification model, fine-tuning RoBERTa or LLaMa 2, using the GPT3.5 API and compared their effectiveness in multiple scenarios
- Integrated OpenAI's GPT model to automatically classify user-created tasks and comments into appropriate tags
- Added the ability to emulate popular devices when reviewing websites, as well as support for custom devices

Software Developer Intern

December 2020 – June 2021

NOVA x Network

Toronto, Canada

- Designed and implemented the fellowship application portal using Figma, React and Firebase
- Reduced time required to review applications by **25%** by automating basic review using *Zapier*

President

October 2020 – June 2021

Port Credit Coding Club

Mississauga, Canada

- Led a team of **5 executives** to organize weekly workshops covering various topics such as web development and data structures/algorithms in Python
- Coordinated talks with alumni from MIT, Google, Nvidia, Tesla with upwards of **50 participants**

Lead Organizer

December 2020 – April 2021

Lighthouse Hacks (lighthousehacks.ca)

Virtual

- Led a team of organizers to plan, market, and host a virtual hackathon
- Attracted over **200 participants** from **10 countries** and over **\$40,000** in prize value

PROJECTS

1pt.co URL Shortener | *React, Node.js, Express, MySQL*

- Built and deployed an open-source URL shortening service alongside a public REST API
- Implemented a login system using Google authentication and JWT validation
- Detects and prevents users from being redirected to malicious URLs using Google Safe Browsing API
- Currently hosts more than **80,000** links and has over **400,000** visits

URL Checker - GitHub Marketplace | *Python, Docker*

- Developed a GitHub Action that regularly validates URLs used in a project and notifies the author
- Relied upon by **30 repositories** with a combined **5000+ stars** on GitHub

Meme Stock Analyzer Bot | *Python, Reddit API, TravisCI, Git*

- Created a Reddit bot that analyzes the virtual “stock market” on the r/MemeEconomy subreddit
- Ranked among the **top 500** Reddit bots out of over 20,000 bots
- Used Test Driven Development techniques to achieve **93%** code coverage

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Java, C/C++, PHP, HTML/CSS, Sass

Libraries/Frameworks: React, TensorFlow, Node.js, Express, Svelte, Flask, Django

Tools/DBs: AWS, Linux, Bash, Git, MongoDB, MySQL, TravisCI, Docker, Firebase, Figma

ACCOMPLISHMENTS

- Offered the Schulich Leader scholarship (**\$100,000**) from the University of Toronto
- **Placed 1st** at Imagine hackathon for developing a math learning platform
- Won the “Most Creative App of the Month” award from **MIT** for creating SpellBind