Tejas Srikanth

Waterloo, Ontario

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TECHNICAL SKILLS

Languages: Javascript, Typescript, C, C++, Python, Lisp, HTML5, CSS3, LaTeX, SQL
Technologies/Frameworks: Linux, GitHub, ReactJS, Redux, NextJS, NodeJS, ExpressJS, Git, Pandas, NumPy, Mongo, Flask, Firebase, Pytorch, OpenCV

PROJECTS

Hack the North 2020++: Tabular ⤢ | Raspberry Pi, OpenCV, Tkinter

- Collaborated with a team to create a desktop app that can detect faces and can execute a specified key command when certain faces are detected
- Facial detection was done using a **Raspberry Pi** and **OpenCV**
- The frontend interface was a **Tkinter GUI** made with Python

JamHacks V: DeviceXchange ⤢ | MongoDB, Express, React, Node, Cheerio

- Collaborated with a team to create a website that facilitates the **exchange of used devices** in order to curb electronic waste and tells the user how much waste they saved by trading their phone in.
- Used a **REST API** made with **Expresss** using a **MongoDB** database to store phone and user data
- The frontend interface was made with **React** as well as Bootstrap
- Web scraping with **Cheerio** was used to determine the amount of waste a device would generate if disposed

Trailblazer ⤢ | MongoDB, Express, React Native, Node

- Mobile app that allows users to walk along their favourite trails, tracks the user's location on these trails, then **saves the trail** to their phone
- Used a **REST API** made with **Express** and **MongoDB** to store location data for individual trails
- The frontend interface was made with **React Native**

Keepsake ⤢ | MongoDB, Express, React, Node

- A website that allows the user to keep track of their daily chores by keeping a **list of dated post-it notes** and allows the user to **sort** and **filter notes by custom category**
- Used a REST API made with **Express** and **MongoDB** to store note and data about note categories
- The frontend interface was made with **React**

COVID-19 Detection ⤢ | Pytorch

- Trained a Resnet-18 model on the Kaggle COVID-19 Radiography dataset using Pytorch to classify lung scans as either **normal**, **COVID-19**, or **viral pneumonia**
- Training dataset accuracy: 88%, testing dataset accuracy: 60%

EXPERIENCE

Cognizantly Inc   **Aug 2022 - Dec 2022**
Full Stack Developer   *Waterloo, Ontario*

- * Updated the website frontend using React and Typescript
- * Used Pytest in order to test and debug data analysis modules in Python
- * Tested and debugged the Flask API designed for retrieving stock information

EDUCATION

University of Waterloo - Candidate for Bachelor's of Computer Science   **Sep 2021 – Apr 2026**
GPA: 4.0 (**CAV** - 95.2%)   *Waterloo, Ontario*

- * **Scholarships**: President's Scholarship of Distinction, Nortel Institute Scholarship
- * **Relevant Courses**: Designing Functional Programs, Elementary Algorithm Design and Data Abstraction, Object Oriented Programming in C++

AWARDS

- **Hack the North 2020++**: Finalist and Best Hardware Hack Winner (For Tabular)
- **JamHacks V**: Best Hack for the Environment (for DeviceXchange)
- **DECA ICDC**: Buying and Merchandising Team Finalist (Top 20 teams in North America)