Tejas Srikanth

Waterloo, Ontario

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TECHNICAL SKILLS

Languages: Javascript, Typescript, C, C++, Bash, 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

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%

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

EXPERIENCE

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

- Created a model with Numpy, Pandas, and YFinance that detected loss-chasing behaviors in financial data and projected potential profit for the trader
- Created a Python Script using Numpy, MatplotLib, and YFinance that visualized losses from disposition effect
- Created a CI pipeline using Github actions, Docker, and Pytest
- Wrote unit tests for modules and improved testing coverage on flagship product by 30%

Ford Motor Co   May 2023-Aug 2023
Full Stack Developer   *Waterloo, Ontario*

- Conducted analysis and collaborated closely with other teams to solve intricate bugs in Android-based custom car dashboard notifications
- Contributed to the development of a Jenkins pipeline by collaborating with other teams to create the Jenkins Pipeline and integrate it with the Pre-Submit tests for our workspace
- Created a CI pipeline using Github actions, Docker, and Pytest

EDUCATION

University of Waterloo - Candidate for Bachelor's of Computer Science   Sep 2021 – Apr 2026
GPA: 4.0 (**CAV** - 93%)   *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)