Raveen Singh

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github.com/raveen-singh/

SKILLS

Development

Javascript
Typescript
Python
Java

Frameworks

React / Redux
Node.js
Express.js

Tooling

MySQL
MongoDB
Firebase
Docker
Git
Travis CI
AWS

EDUCATION

Computer Science, BCs

University of Waterloo

2019 – 2024

AWARDS

Finalist, Hack the North

2nd Place, AlphaHacks

Best Machine Learning, EcHacks

3rd Place, Fraser Hacks

PROJECTS

uSober

Github | Demo

Cognitive impairment

identification using ML

Audite

Github | Demo

AR sound triangulation tool to

help the hearing impaired

WORK EXPERIENCE

SOFTWARE DEVELOPER INTERN • TMX   APR 2020 – AUG 2020

- Deployed dockerized microservices on AWS using ECS and set up CI/CD pipelines improving existing deployment times
- Created an internal platform to visualize API usage statistics using React & Node.js to improve product & pricing options
- Collaborated with team to develop serverless RESTful API's using AWS API Gateway, Lambda, and Node.js
- Built a data filtering algorithm to optimize existing data querying processes by **3x**

SOFTWARE ENGINEERING INTERN • BITCOIN BAY   AUG 2018 – SEPT 2018

- Developed the sign in flow using OAuth based authentication with Passport.js
- Implemented an intuitive UI using React and real-time payment communication using Socket.IO
- Built a development pipeline to optimize workflows using Travis CI, improving development efficiency by **15%**
- Implemented API endpoints using Node.js to communicate user's payment information to the front end

WEB DEVELOPER INTERN • BTNX   JUL 2018 – AUG 2018

- Worked in an agile, cross-functional team to create websites according to client specifications
- Utilized MySQL to manage databases and perform data integrity checks
- Automated data aggregation & web scraping by writing custom scripts using Mozenda

COMMUNITY

PROJECT DEVELOPER • UW BLUEPRINT   SEPT 2020 – PRESENT

- Developing technology solutions for non-profits

CO-FOUNDER • TORONTO YOUTH NETWORK   FEB 2017 – DEC 2019

- Co-founded a non-profit organization dedicated to student networking
- Ran multiple networking events, and hackathons, impacting 600+ students
- Secured 10k in asset value funding for events
- Grew social media presence to reach 2000+ students in the GTA