RUPINDER NAGRA

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EDUCATION

McMaster University   Hamilton, ON
Bachelor of Software Engineering (Co-op) - *GPA: 3.8* - *Deans' Honour List, Class of 2023*
Courses: Data Structures & Algorithms, Principles of Programming, Linear Algebra, Discrete Mathematics

EXPERIENCE

Intact Financial Corporation   May 2021 - August 2022 | Toronto, ON
Software Developer Intern
- Developed features for a metrics application used by **200+** employees within Intact, using **React** and **FastAPI**
- Divided **100+** routes in central backend connected with **MongoDB** to several repositories to reduce load time
- Routinely deployed and monitored services using **Jenkins** pipelines and **Openshift Container Platform**

lleTTonna   May 2020 - August 2020 | Hamilton, ON
Full-Stack Developer
- Engineered and maintained frontend of lleTTonna's MomsOverMatter initiative, a resource providing information about postpartum mental health to **100+** pregnant mothers, using **React** and **Sass**
- Built and implemented database design to store user information in backend using **PostgreSQL**
- Collaborated with team lead to determine requirements, allowing client feature requests to be built faster

Passionfruit   May 2019 - August 2019 | Toronto, ON
Software Engineering Intern
- Created and maintained code for mobile app using **React Native** framework
- Seeded application with **3+** user accounts to test functionality on various platforms using **Expo**
- Utilized agile development methodology and participated in design and code reviews

PROJECTS

Quick Alert   January 2020 - February 2020
- Built web application for **DeltaHacksVI** that ensures emergency services know relevant data concerning patients through SMS after finding closest service to user with longitudinal and latitudinal calculations
- Used **React** with **Material UI** framework to create frontend and send requests to backend using **Axios**
- Designed method to forward requests to personal API backend from SMS messages using **Twilio API**

Discover More   December 2019
- Constructed website that uses **Spotify API** to recommend user new artists based on their Spotify data
- Sends authorized token requests to the Spotify platform to access various endpoints based on user permissions
- Employed **RESTful** architecture with **Express.js** backend to navigate site, obtaining & modifying user information through various URL requests

Movie Magnet   August 2019 - October 2019
- Created a website that utilizes **3** movie API's to recommend movies playing in theatres from IMDB ratings
- Used **Node.js** and **Express.js** backend framework with **MongoDB** database to store user information
- Integrated **Passport.js** library to authorize and authenticate user login and registration
- Solved **5+** asynchronous callbacks using promises and async/await functions

TECHNICAL SKILLS

- **Languages & Databases:** Python, Java, JavaScript, C, MongoDB, PostgreSQL, MATLAB, Git, TypeScript
- **Web Development:** React, Angular, Node.js, Express.js, Next.js, EJS, Material UI, Bootstrap, jQuery
- **DevOps:** Jenkins, Openshift, Github, Docker, Sonarqube, Dynatrace, Veracode