RUPINDER NAGRA

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EDUCATION

McMaster University   Hamilton, ON, 2018 - 2022

Bachelor of Software Engineering (Co-op) - *GPA: 3.8* - *Deans' Honour List*

Relevant Coursework: Data Structures & Algorithms, UNIX/Linux & Bash Scripting, FPGA Programming, Java Practice & Experience, Principles of C Programming, Linear Algebra, Discrete Mathematics

EXPERIENCE

lleTTonna   May 2020 - August 2020 | Hamilton, ON

Full-Stack Developer

- Engineered and maintained the front-end of lleTTonna's MomsOverMatter initiative, a resource providing information about postpartum mental health to **100+** pregnant mothers, using **React** and **Sass**
- Architected and implemented database design to store user information in back-end using **PostgreSQL**
- Communicated and collaborated with multi-disciplinary team of **10+** engineers, designers, and technical leads during biweekly meetings

Passionfruit Inc.   May 2020 - July 2020 | Toronto, ON

Software Engineering Intern

- Developed 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

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** back-end framework with **MongoDB** database to store user information
- Integrated **Passport.js** library to authorize and authenticate user login and registration
- Introduced functionality to send personalized emails of recommended movies using **Nodemailer** module
- Solved **5+** asynchronous callbacks using promises and async/await functions

Discover More   October 2019

- Constructed website that uses **Spotify API** to recommend 30 artists based on favourite artists on Spotify
- Sends authorized requests to the Spotify platform to access **5 API endpoints** based on user access permissions and token requests
- Employed **RESTful** architecture with **Express.js** back-end to navigate site, additionally obtaining & modifying user information through various URL requests

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
- Launched an API back-end using **Express.js** to create endpoints and stored users with **MongoDB** database
- Used **React** with **Material-UI** framework to create front-end and send requests to back-end using **Axios**
- Designed method to forward requests to personal API back-end from SMS messages using **Twilio API**

TECHNICAL SKILLS

- **Languages & Databases:** Python, Java, JavaScript, C, Kotlin, MongoDB, PostgreSQL, MATLAB, Git

- **Web Development:** React, Node.js, Express.js, Mongoose, EJS, Material-UI, Bootstrap, jQuery

- **Mobile Development:** React Native, Redux, Android Studio, Expo

- **Machine Learning Frameworks & Tools:** TensorFlow, Keras, Numpy, Pandas, Matplotlib