

Tarun Khanna

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SKILLS

HTML/CSS/JavaScript, C#,
Python, C++, C, SQL, Java

Git/GitHub, MySQL,
MongoDB, SQLite, Android
Studio, VS Code

EDUCATION

Candidate for Bachelor of Computer Science *2016- present*
Co-operative Program, University of Waterloo, Waterloo, ON

Online Coursework:

Coursera – Machine Learning, Algorithms (in progress)

Udacity – Full Stack Web Development, Android Development

EXPERIENCE

Full Stack Developer

Jan. 2018 – present

Perkin Elmer Software Innovation Labs, Waterloo, ON

- Building full stack web applications in **MeteorJS** with **Keras**, **Scikit-learn** and **Tensorflow**

Junior Software Developer

Apr. 2017 – Sept. 2017

Envision IT Inc., Mississauga, ON

- Maintained and debugged **C#**, **.NET** web application and **REST API** in **Visual Studio**
- Migrated **C#** console application to **Azure** as a **CRON** job to efficiently update user records
- Designed and integrated new **MySQL** tables in **SQL Server Management Studio** to support email editing with **CKEditor** and used **Knockout JS** to manage multiple email configurations

PROJECTS

Memonic *MHacks X*

Sept. 2017

- Compressed image bitmap to perform emotional analysis using **Microsoft's Emotion API**
- Processed **JSON** asynchronously and used **MediaPlayer** to play tone corresponding to emotion from a Hashmap

Crooked Plant *Hack The 6ix*

Aug. 2017

- Created a **Cordova** app with **Angular4** that tracks emotional state from daily journal entries
- Used **Indico API** to perform analysis of input data and stores data in browser's **LocalStorage**
- Used **Chart.js** to visualize sentiments and display personality trends over time

Authentication & Authorization: **OAuth** *Udacity*

Jun. 2016

- Created a full stack Restaurant Menu web application using **Flask** and **SQLite**
- Implemented Google and Facebook account sign in via **OAuth2** implicit client-side flow

Puzzle App *UWP Hacks – 2nd Place*

Sept. 2016

- Created a drag and drop, customizable puzzle using **JS canvas**
- Detects piece proximity and snaps in place, otherwise rejects incorrect pieces

MedAlert *<Br/eak> Inequality Hackathon*

Nov. 2016

- Created a 5-page **Android** app to register patients and display reference for health workers
- Used **Twilio API** to send scheduled text messages to users