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, Sci-kit 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** and used **MediaPlayer** to play tone corresponding to emotion

Crooked Plant *Hack The 6ix*   *Aug. 2017*
- Created a **Cordova** app with **Angular 4** that records daily emotional state
- Used **Indico API** to perform analysis of input data and stores data in browser's **LocalStorage**
- Used **Chart.js** to visualize sentiments and personality trends over time

Authentication & Authorization: OAuth *Udacity*   *Jun. 2016*
- Created a full stack Restaurant Menu web application using **Flask** and **SQLite**
- Added Google and Facebook account sign in options 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