

Rishabh Patel

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- Skills**
- Strong leadership, and organizational skills
 - Detail oriented, able to multi-task and work in a fast-paced environment
 - Working on projects improved my ability as an individual and as a team cooperater to achieve goals
 - Experienced in coding, analyzing and debugging code as well as optimizing run-time complexity
 - Utilized UML diagram to visualize software programs as a part of the Software Development Life Cycle (SLDC)
 - Proficient knowledge of software development models such as Iterative Waterfall, Agile, Spiral, and Prototype Model
 - Knowledgeable in data analytic techniques such as regression, classification, and clustering
 - Conducted software testing using system, unit, regression, and functionality testing
- Education** **Bachelor of Science (Hons), Computer Science** **Sept. 2015 – June 2019**
- University of Ontario Institute of Technology, Oshawa, ON
- **Coursework:** Web and Mobile Application Development, Analysis of Design and Algorithms, Software Development and Integration, Database Systems and Concepts, Big Data Analytics, Computer Vision, and Software Quality Assurance
- Projects**
- License Plate Recognition** | *Computer Vision* | Python, OpenCV, PyTorch, Machine learning **April 2019**
Able to recognize license plates from a frame automatically and display the characters.
- Gathered images and cataloged them for training and recognition of characters by using a pre-trained machine learning model
 - Utilized grayscale, inverting, bilateral filtering, histogram equalizing and adaptive thresholding to pre-process images for filtering
 - Structured the system to look for characters through the use of contours and bounding boxes to conduct Optical Character Recognition (OCR) using Convolution Recurrent Neural Network(CRNN)
- Flip-Flop** | *Mobile Application Development* | Java, Android, Firebase, SQLite DB **December 2018**
Anonymous discussion board, allows registration, posting, commenting and voting on threads.
- Designed and the implemented of the application using Android Studio IDE as a part of the team
 - Implemented user login, logout, and registration for allowing users to post and communicate
 - Utilized *Firebase* to host real-time data, and *SQLite* to host personal data
 - Geo-encoded user posts for location display
- My-NHL-Team** | *Web Application Development* | Javascript, jQuery, HTML, CSS, PUG, JSON **April 2018**
Application allows users to keep track of favorite NHL team and the team's standings, player stats, and more.
- Utilized a NHL API to get data of NHL teams in 2018
 - Integrated session tracking and user login, logout and registration for NHL team selection
 - Increased user interactivity through the use of D3.js, DOM element and jQuery to display tables and scatter plots of teams
 - Designed a MongoDB database to store and retrieve the parsed data from the NHL API

Programming Languages

Working Knowledge: Java • Python • C++ • SQL • HTML5 / CSS3 • JSON / XML • Javascript / Node.js / D3.js • Makefile / Batchfile

Basic Knowledge: C / C# • Matlab • Scala • Clojure

Technologies / Tools

Linux • Visual Studios • Android Studios • Git / Github • Firebase • MongoDB • MySQL • PostgreSQL • SQLite • Visio