

Veraj Paruthi

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EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF APPLIED SCIENCE

COMPUTER ENGINEERING

Expected 2022 | Waterloo, ON

LINKS

GitHub:// [vparuthi](#)

LinkedIn:// [verajparuthi](#)

Website:// [verajparuthi.me](#)

SKILLS

PROGRAMMING

Java • Python • Android • C++
HTML, CSS, Javascript • JQuery
Bootstrap 4 • Git • VBA • XML

INTERESTS

YouTube content creator

Practice Muay Thai

Automobile enthusiast

Volunteered 160 hours at
the YMCA

EXPERIENCE

ROGERS | ANDROID DEVELOPMENT INTERN

September 2018 – December 2018 | Toronto, ON

- Utilized Java across 50 Android applications - ranging from KiSS 92.5 to 680 News to Today's Parent MealTime
- Took the initiative to deep link notifications using Urban Airship for all 49 radio applications
- Streamlined mobile analytics through the use of Adobe Analytics
- Worked with 3 developers and coordinated efforts using Git in an agile work environment

BANK OF MONTREAL | IT OPERATIONS ANALYST

Jan 2018 – April 2018 | Toronto, ON

- Took the initiative to update an inefficient automation process in VBA resulting in intake processing time decreasing by 15%
- Evaluated all technical aspects of the systems, processes, controls, and volumes in order to optimize IT performance
- Provided consulting, costing, and project planning in order to deliver technology solutions for BMO

ENGHACK | TECHNICAL COORDINATOR

March 2015 – May 2016 | Waterloo, ON

- Developed and added dynamic sections to the hackathon website using JavaScript and Bootstrap 4.0
- Streamlined mobile compatibility through the use of Chrome's web inspector
- Coordinated efforts using Git version control and Slack with 3 other developers

PROJECTS

MY HEALTH | AN ALEXA SKILL | AWS, NODE.JS, PYTHON

- Won both best machine learning and health care hack at Hack Princeton 2018
- Utilized AWS, an LDA machine learning algorithm, and 500 data points to detect if users were developing Alzheimer's
- Connected Alexa to an S3 Bucket using a custom API made in API Gateway
- Used Python to examine frequency/duration of pauses, repetition of words, slurring, and the use of filler words

SENTIMENT STOCK PREDICTION | PYTHON | TWITTER API, GOOGLE API, KERAS

- Employed a mutli-layer LSTM model to predict stock prices based on company's past data and Twitter sentiment
- Generated a tweet dataset using Twitter's API and Google's Cloud Natural Language API
- Handled over 50,000 data points using Pandas dataframes and Numpy
- Trained model using adjusted close, high, low, high-low percent change, and tweet values

EMBEDDED SYSTEM ECG | C++, ARDUINO UNO, ONION OMEGA

- Implemented a compact ECG that logged heart rate measurements to a CSV file using C++ and Arduino
- Developed a moving average algorithm to remove noise from the data received
- Created a work flow to push raw data to a CSV file through serial communication with the Arduino

WEATHERTRAC | ANDROID

- Created an app that displays the weather for a provided location using JSON from the OpenWeatherMap API
- Implemented various animations to improve the user experience
- Structured the a well organized OOP design to increase efficiency

PERSONAL WEBSITE | WEB

- Created a website highlighting personal achievements using HTML, CSS, and JavaScript
- Developed a dynamic grid layout using Bootstrap 4.0 and built various animations using jQuery