Abhijith Ramalingam

Passionate about Data Analytics, Robots, Math and Programming.

Website : abhijith1995.github.io
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🔧 SKILL SET

PROGRAMMING

Java Python C# R C++

WEB

HTML/CSS JavaScript *Libraries/Frameworks*

jQuery AngularJS D3.js Protractor Karma

Jasmine Flask

DATABASE

MySQL PostgreSQL MongoDB

📗 EDUCATION

Univeristy of Waterloo , Mechatronics
Engineering 2018

★ INTEREST

- Software Development
- Robotics
- Networks and Security
- Embedded Systems

💼 WORK EXPERIENCE

JavaScript Developer

- Managed an automated test suite which ran daily on a continuous integration server.
- Wrote scripts to perform unit tests and end to end tests using browser automation tools.
- Regularly wrote bug fixes for minor UI issues and improvements.
- Participated in all aspects of the software development lifecycle to build a highly scalable, cloud-based data quality solution.

Technologies used : JavaScript AngularJS Git Karma Protractor Jasmine Jenkins

R&D Team Member

- Developed web crawlers to acquire and archive open source projects from popular forges like Github and Sourceforge.com.
- Optimized an internal data mining tool, thereby improve proccessing time and results.
- Helped in the migration of internal company databases by writing scripts and upgrading pre-existing web crawlers to find and download missing files and content.

Technologies used : C# .NET MySQL PostgreSQL Linux MS Excel SVN

</> PROJECTS

Market Simulator

- Built a stock market simulator by accessing data from Yahoo Finance API to understand historical stock trends.

Technologies used : Python(Pandas,Numpy,Matplotlib,SciPy)

New York Subway Data

- Used statitstical infernce techniques to understand New York Subway data.

Technologies used : Python(Pandas,Numpy,Matplotlib,SciPy)

TransitCheck

- Worked as pair programmer to build the front end for a web application which alerts TTC users of situational delays.
- Built a web crawler to programatically acquire information about TTC services which was then stored in a NoSQL database for retrieval.

Technologies used : HTML/CSS jQuery Java MongoDB

Braillestorm

- Won a national robot olympiad by building a robot which provides an easy to use interface for visually impaired users to print Braille

Technologies used : LEGO Mindstorms C++