SANKALP SANJAY BHANDARI

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Work Authorization: F-1 VISA

Education:

THE UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas
Master of Science in Computer Science 3.5/4.0 May 2020
SAVITRIBAI PHULE PUNE UNIVERSITY, Pune, India
Bachelor of Engineering (Computer) 3.5/4.0 (As per WES Evaluation) June 2016

Computer Skills:

Languages	: C++, Java, Python, shell script, sockets, HTML, JavaScript
Operating System	: Ubuntu, Windows (XP, 7,8,10, server 2012R2)
Databases	: RedisDB, MySQL, Mongo
Applications	: MS Office, Jira, Confluence, Redmine, Bitbucket, Fisheye and Crucible, Vcenter
Tools/ Software	: Git, Selenium webdriver, Tensorflow, NLTK, Keras

Work Experience:

Software Engineer, GS Lab Pvt Ltd., Pune, India July 2016 - June 2018

- Created and executed automated software test plans, cases and scripts to uncover, identify and document software problems and their cause for a SD WAN based project.
- Automated the GUI test cases using selenium and python and verification included the validation at UI, controller (mongodb) and element (redisDB) levels.
- Automated testing of REST APIs where around 90K APIs were fired and tested.
- Worked on testing the RBAC (Role Based Access Control) feature. Integrated the product authentication with SAML Single Sign On (SSO) – ADFS and tested it.
- Worked on end-to-end feature testing which involved functional, regression, sanity, performance, GUI and developed a script to file a bug automatically on JIRA.
- Tested the multi – location controller deployment.

Projects:

Database Engine – DavisBase Nov 2018

- Implemented a (very) rudimentary database engine that is loosely based on a hybrid between MySQL and SQLite. Like MySQL's InnoDB data engine (SDL), your program will use file-per-table approach to physical storage. The technology used is JAVA.

Location based Sentiment Analysis Oct 2018

- This project aims to perform location-based sentiment analysis using the tweets and location of the user of user to find the popular sentiments of the product. Used NLTK, Python and Tweepy along with Google API.

Regression REST API Automation Framework Jul 2016 - Sept 2016

- Developed a framework to test the REST APIs with python and requests library which included data generation, API testing and results validation based on HTTP response codes. Used python and HTML to implement it.

Developed a low-cost prosthetic arm Sept 2015 - May 2016

- Developed a prosthetic arm that captured the electromyography (EMG) signals from the body muscle and opened or closed fist depending on the signal using Arduino Uno.

Activities:

- Peoplesoft Security Analyst, UT Dallas Dec 2018 – Present
  Analyze and perform PeopleSoft account access administration including additions, changes, and deletions
- Grader – Dept of Computer Science, UT Dallas Sept 2018 – Dec 2018
  Grading the lab and home assignments of freshman and sophomore students involving C/C++/Java
- Member – MCUG (MIT, Pune) Aug 2013 – Apr 2016
  Conducted workshops on exploring Linux for about 600 students over 3 years.

Awards:

- Won 2nd price at HackAI organized by UT Dallas. Implemented Fashion MNIST with 94.2% accuracy using tensorflow and keras (Deep Learning Studio).
- Won “The most Unique Idea” award at Hackathon held at GS Lab.
- Received Academic Excellence Scholarship.