

# 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 3.89/4.0** May 2020

SAVITRIBAI PHULE PUNE UNIVERSITY, Pune, India

**Bachelor of Engineering (Computer Science) 3.5/4.0** June 2016

## Computer Skills:

Languages : C++, Java, Python, shell script, sockets, HTML, JavaScript, CSS, Bootstrap  
Operating System : Ubuntu, Windows (XP, 7,8,10, server 2012R2)  
Databases : RedisDB, MySQL, Mongo, DynamoDB  
Applications : MS Office, Jira, Confluence, Redmine, Bitbucket, Fisheye and Crucible, Vcenter  
Tools/ Software : Git, Selenium webdriver, Tensorflow, NLTK, Keras, S3, AWS, JAX-RS

## Work Experience:

**Software Development Engineer Intern**, Amazon Web Services, Seattle May 2019 – August 2019

- Created an adapter to securely upload and download the cocoapods used as library in iOS development
- Provide better control over the versions and metadata about the cocoapods package where user can delete or deprecate a complete package or a package version.
- Created REST APIs using JAX-RS for user authentication, upload and download of software bundle.
- Generic software architecture to support multiple package managers like npm, maven and pypi.
- Improved the existing cocoapods client to support authentication and publishing of pods to custom repository.
- Learn and explored using AWS Services like DynamoDB, S3, IAM and KMS, CloudWatch and CloudTrails.

**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. This framework was deployed on Jenkins for periodic execution.
- Automated testing of REST APIs where around 90K APIs were fired and tested for performance and correctness.
- 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.

## Projects:

**Location based Sentiment Analysis** (Python, Google Maps API, NLTK, Tweepy) Oct 2018

- This project aims to perform location-based sentiment analysis using the tweets and location of the user to find the popular sentiments of the product. This project is generalized for sentiment analysis of any product.

**Regression REST API Automation Framework** (Django, Python, HTML, CSS, JS) 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** (Arduino Uno, Stepper Motor) 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**, Office of Info. Tech., UT Dallas Dec 2018 – Present
  - Analyze and perform PeopleSoft account access administration including additions, changes, and deletions.
  - Assist with audit and compliance activities to ensure that the security setup and application usage within PeopleSoft and other designated applications compliant with internal and external security requirements.
- **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 2<sup>nd</sup> 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.