# Abhinay Reddy Alluri

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## SUMMARY

Computer Science Graduate Student at University at Buffalo with more than 1 year of past industry experience seeking Full time Opportunity.

## SKILLS

- Java/J2EE, Python, Javascript, C/C++, SQL, HTML/CSS
- Docker, Selenium, Jenkins, Prometheus, Git, JUnit
- HTTP & RESTful APIs, Eclipse IDE, MySQL, Apache Solr, Apache Tomcat, AWS

## EDUCATION

**State University of New York at Buffalo**                                                      Buffalo, NY
*Master of Science in Computer Science*                                          Aug. 2018 – Dec. 2019

- Introduction to Operating Systems
- Algorithms & Data Structures
- Introduction to Information Retrieval
- Distributed Systems
- Data-intensive Computing
- Advanced Information Retrieval

## EXPERIENCE

**Devcool Inc.**                                                                              Pleasanton, CA
*Software Engineer Intern*                                                          Jun. 2019 – Present

**Resume Parser (**Python, AWS-ec2, JSON, REST, Flask, HTML, CSS, JavaScript, Apache Solr, NLP, Git/GitHub**)**
- Developed a parser to parse CVs / Resumes in Word(.doc or .docx) / RTF / TXT / PDF / HTML format to extract the necessary information in a predefined JSON format.
- Built a search engine for retrieving resumes based on the skills and added filters for location, years of experience etc.
- Created an automated mail service for delivering right job description at the right time to the right people.

**Open source EDI creator/validator (**Python, AWS-ec2, JSON, REST, Flask, JavaScript, Docker, Git/GitHub**)**
- Programmed, tested, and implemented User Login, API registration, Authentication(using tokens) and API Testing.
- Developed RESTful APIs, back-end web services using Python and Flask framework.
- Established a standard JSON format that users must follow for generating 837.
- Developed scripts to create, validate 837/EDI and to deidentify certain fields in data for storing.
- Containerized the application in AWS-ec2 using Docker and documented usage, terms and policies in GitHub.

**Wipro Techologies Private Limited**                                                        Hyderabad, India
*Project Engineer*                                                                  Oct. 2017 – Aug. 2018

- Used JSPs HTML on the front end, Servlets as Front Controllers and JavaScript and jQuery for client-side validations.
- Implemented Multi-Threaded Environment and used most of the interfaces under the Collection framework and also Core Java Concepts.
- Used Log4J to print logging, debugging and warning information on the server console.
- Designed and developed automation framework for functional and regression testing using Java, Selenium, Maven, TestNG, JUnit.
- Developed a Standalone utility which fires test cases directly and gets validation results from engine without UI.

## ACADEMIC PROJECTS

**Event Extraction and Summarization**: Implemented a system for extracting and summarizing events in countries like India, Indonesia, Thailand about targeted domains(Riots/Protests AND Violence against civilians) by ingesting multiple inputs such as social media and news. The following information was provided for each event: event date, location, event type, parties involved, data sources, and a brief description - ***Java, OpenNLP models, JSON, NewsAPI, Google Maps API.***

**Data Aggregation, Big Data Analysis and Visualization**: Automated data collection from multiple sources using the APIs. Used classical big data analytical methods such as MapReduce for word count and related family of algorithms such as word occurrence and n-grams. Applied modern visualization methods and disseminated results using the web interface - ***Java, Python, Docker, Hadoop 2.x, MapReduce.***

**Complete Search and Analytics Solution based on dissecting twitter data**: Built a search engine for retrieving tweets according to the search query. Also added filters for language, city, topic, time. Performed analysis such as Time series, Comparison across the cities and Sentiment analysis. Distribution of tweets count was shown over World Map using Google Maps API - ***Java, JSP, HTML, CSS, Javascript, Apache Solr, Apache Tomcat, AJAX, Google Maps API, Stanford NLP libraries.***

**Service based Distributed Web application**: Built a web application stack that provides users enhanced information about weather updates along the way between starting point and destination. Work involved, Integrating and rendering data from diverse sources using the APIs of services - ***Java, JSP, JDBC, SQL, HTML, CSS, Apache Tomcat, AJAX, Google Maps API.***

## ACHIEVEMENTS

- Ranked 5th in National Level Coding Competition Code Gladiators among 200,000 aspirants conducted by TechGig.
- Holder of Merit scholarship during Bachelor's for 4 consecutive years offered by State Government.