Phone: +1 (480) 859-5478
Email: arajshre@asu.edu
LinkedIn: //ankitrajshree
GitHub: //arajshre

ANKIT RAJSHREE

Personal Website: http://ankitrajshree.me/

PROFILE SUMMARY

Graduate Computer Engineering (Computer Systems) student with nearly 3 years of industry experience with current academics based on Software Development and looking for fulltime position with a focus on Software Development.

EDUCATION

Master's in Science in Computer Engineering, Arizona State University, GPA 3.96/4.00 **May 2019**

Relevant Courses: Algorithms Design, Distributed Database Systems, Adaptive Web, Human Computer Interaction.

Bachelor of Technology in Electrical & Electronics Engineering, NIT Hamirpur, GPA: 8.54/10 **May 2014**

TECHNICAL SKILLS

Programming Languages/Framework: Java, Python, C, JavaScript, HTML5, Unix Shell Scripting, MATLAB, Django, Flask, Meteor.
Big Data: Apache Hadoop, Apache Spark, PySpark, Scala, SparkSQL, Elastic ELK stack.
Operating System and Databases: Windows, RHEL(Linux) 7.1, JBoss Server 6.4, OracleSQL, PostgreSQL, MongoDB.
Version Control and Unit Testing: IBM ClearCase, GitHub, Parasoft Jtest, JaCoCo.

PROFESSIONAL EXPERIENCE

ARICENT TECHNOLOGIES, GURGOAN, INDIA

Senior Software Engineer, Hughes Network System (HNS) **Oct 2014 – Jul 2017**

- Gathered business requirement from HNS and implemented into the BSS framework leading two software engineers.
- Designed, implemented and enhanced the **OSS/BSS** system using core **Java** on **SOA** principles.
- Involved in the entire software release cycle from **requirement gathering, design, development and testing.**
- Supported the team at HNS for production cut over and **migration** of system to new release.
- Achieved **Customer Satisfaction** of **5/5** and team excellence award for two consecutive financial years.
- Developed custom **Data Manager** in **C** for new Business Unit to be launched in Columbia with a customer base of **25,000**.
- Developed backend **Unix shell scripts** and **UI** for bulk data correction and insertion in **Oracle** database.

Software Engineer Trainee, Nalanda-Aricent

- Designed and implemented **C-ADT** in **C**. Implemented a multilevel hashing for dictionary applications.

PROJECTS

Independent Project, M2Cal. **Fall 2018**

- Worked on generating google calendar event from the email content based on topic of interest using **Gmail API** and **NLP** techniques using **SpaCy** in **Python.**

Adaptive Support on Study Genie. **Fall 2018**

- Developed on online note taking system where the user can upload course notes, make clue card and get personalized recommendation of notes using **Django**, **VueJS**, **Elasticsearch** and **NLP Techniques (LDA, LSI)**.

Geospatial Data Hotspot Analysis. **Spring 2018**

- Analysed Geospatial data on a multi-cluster **Hadoop** file system using **Apache Spark** and **GeoSpark** on NYC taxi trip dataset for hotspot detection using **Getis-Ord metric.**

American Sign Language (ASL) Recognition. **Spring 2018**

- Built American Sign Language (ASL) prediction model deploying feature engineering techniques and machine learning techniques in **MATLAB. [F1-Score: 86.72]**

CQA Analysis. **Fall 2017**

- Developed a Question-answer tagging and long-term value prediction of question/answer framework using machine learning techniques on CQA sites like Stack Overflow in **Python/Scikit Learn/Numpy/Pandas.**

OTHER WORK EXPERIENCE

COGNITIVE INFORMATION PROCESSING SYSTEMS LAB, ARIZONA STATE UNIVERSITY

Graduate Research Assistant **Feb 2018 – Present**

- Developed the backend system using **Elastic ELK** stack and **Python Flask** to visualize the political data of countries based on the themes and topics detected from crawled historical data of Facebook, Twitter and political party's websites.
- Built Twitter bots having all the Twitter functionality in **Python** and developed a twitter dashboard using **Python Flask** and **React** to visualize the performance of bots.
- Developed a deep learning model for pro and anti-tweet classification from raw tweet. Data collected and preprocessed using **NLP** techniques. Experimented with **Deep Learning** and classical **ML techniques** [Deep Learning based model gave **83% accuracy**].

AWARDS

- **Winner** of **HackAZ 2019** for developing a recruiting platform, **IRIS** (Ideal recruiting, Intelligent Solution) **Jan 2019**
- Awarded full tuition wavier for **Fall 2017** and **Spring 2019** through graduate research assistantship. **Fall 2018 – Spring 2019**