

SUMMARY

Software Engineering student at Arizona State University with interests in Data Analytics, Cloud Computing, Mobile Computing, Web Development seeking valuable opportunities to utilize my education and internship experience.

EDUCATION

Arizona State University, AZ
Masters in Software Engineering

Expected: May 2019

Thadomal Shahani Engineering College, Mumbai, India
Bachelor of Engineering in Information Technology with a First Class.

June 2017

SOFTWARE SKILLS:

- Programming Languages: C, C++, C#, Java, Python, Prolog, Scheme.
- Design and Simulation Software: MATLAB.
- Web Technologies: HTML5, CSS3, JavaScript, Bootstrap, MongoDB, Express, NodeJS.
- Data Mining tools: SAS, WEKA.
- Relevant Courses: Big Data Analysis, Data Mining, Advanced Data Structures and Algorithm, Mobile Computing.

INTERNSHIP AND EXPERIENCE:

INTERNSHIP:

APKG Pvt. Ltd.

Collaborated within an Agile team structure where I assisted with developing code using technologies as: JavaScript. Developed front-end web application using HTML/CSS and JavaScript. Redesigned and developed an existing web sites. Assisted team with testing code in multiple browsers.

EXPERIENCE:

Working as an Instructional Design Aide at EdPlus at Arizona State University.

Collaborate with instructional designers and multimedia developers on quality assurance and design-related projects. My work is to primarily assist with course development and educational technology for open course initiatives in diverse subject areas.

PROJECTS:

• Security Systems in Automobiles:

- Designed an all-inclusive integrated technology which enhances the safety features of automobiles.
- Implemented the Driver Drowsiness Detection module using Java where the image was converted from camera to a binary image using binarization.
- Alcohol Detection system where sensor MQ303A was used. All the modules were integrated using Raspberry PI.

• Job Portal Website:

- Skills Used: HTML, CSS, PHP, MySQL
- This website was aimed at developing an online search Portal for the Placement for job seekers. The website is an online application that can be accessed by the organization hiring employers as well as the job seekers.

• Detection of different ASL actions:

- Performed feature extraction and feature selection using PCA to classify different ASL actions.
- Designed classification machines to separate these actions using techniques such as Decision tree, SVM and neural networks by making use of training and testing data sets.

• Electroencephalogram:

- Developed a mobile application in which the user is identified via Identification process and later authenticated by the process or action proving genuine or valid.
- The data was stored on Fog Server as well as Cloud Server.
- Different classifiers such as K-NN, Naïve Bayes, Decision tree, SVM were computed on the data.

• Chatting Application – Android

- Developed an application chatting.
- Stored and saved all the data of authentication and database on Firebase.

• Aasan – A programming Language

- Designed Lexer and Parser for our language grammar using ANTLR.
- Generated Intermediate Code using Java.
- Designed runtime environment using Python.

• Personalized News Recommendation System:

- Developed python scripts to recommend news articles to the user based on their Twitter profile.
- RSS feeds of various news API were used for the collection of news articles.
- SOLR system was used to integrate news article and Twitter tweets.
- Assign weights and rank them based on user preference.