Himani Shah

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EDUCATION

Arizona State University, Tempe, AZ **GPA: 3.89**
Master of Science(MS) in Software Engineering *May 2018*
Coursework: Mobile systems (Android and iOS), Web Apps and Mobile Systems, Statistical Machine learning, Advanced Data Structure and Algorithm, Semantic Web, Software Factory-Inception and Design (Agile, Scrum and PSP), Data mining.

Gujarat Technological University, Ahmedabad, India **GPA**: **3.72**
Bachelor of Engineering(BE) in Computer Engineering *May 2016*

SKILLS

Programming/Scripting Languages: Javascript, Java, Python, Swift
Web Programing: HTML5, CSS3, XML, Node.Js, Angular 4, React, JQuery, AJAX, Web Services (REST & SOAP), Bootstrap
Tools: CI/CD (Jenkins, Travis CI), Git, Docker, Firebase, MATLAB, Android Studio, XCODE, Sublime Text, Webstorm, PyCharm
Testing: Jasmine, Mockito, Mocha, Chai, Sinon.js
Database: SQL DB (MySQL, Oracle, PostgreSQL), NoSQL DB (Redis, MongoDb, Firebase)
Certificates: Udacity degree for android development, Udemy Advanced firebase, *JAVA, C++, Linux* training by Spoken Tutorial Project of IIT, Bombay
Miscellaneous: ***3 Apps on Google play store*** (UWatch, FirebaseChat, MusicRec)

PROFESSIONAL EXPERIENCE

Cerner Corporation, Kansas City, MO – Software Engineer ***April 2018 – present***
- Worked on Cloud Services team that is responsible for data extraction and validation. Technology stack included **React, Ruby on Rails**.
- Implemented scheduling workflows discussed during design phase of agile iteration.
- Retrospective design and performance strategy of complex workplace to solve current problem.
- Involved in critical code review of team mates to deliver standard production code.

GeniusPlaza, Clifton Park, NY – Software Engineering Intern, Android ***Jun 2017- Aug 2017***
- Assisted in SDLC via pair programming and participating in daily scrum meetings as an active, cross-trained team member.
- Contributed in engineering a vocabulary set app in MVP architecture which enabled bilingual students to create vocabulary sets by taking pictures.
- Fixed bugs, optimized the code and documented the code for the Tutor/Chat Bot Application release.

Heal Lab, ASU - Research Assistant ***Mar 2017- Nov 2017***
- Developed a web portal in **NodeJS** for clinicians to monitor the compliance progress of sickle cell patients.
- Design the workflow of future implementation in **Angular** UI with visual analysis of patient surveys.
- Proposed RESTful design for PRP APIs and presented Swagger.io implementation in **ExpressJs**

Arizona State University, Tempe, Arizona - Research Aide ***Dec 2016- Mar 2017***
- Provided collaboration in team of 4 while designing a Virtual Team Decision Making web app with an analytical SWOT being the first of many decision algorithms using **MEAN stack**.
- Contributed in designing the weighted algorithm for ranking reported strength, weakness, opportunities and threats.
- Removed the repetitive comments from different users and analyzed their polarity using **Natural Language Processing and Sentiment analysis**.

Reliance Industries limited, Surat, India - Software Engineering Intern ***Jun 2015-Dec 2015***
- Achieved improved productivity and efficiency of Intranet Mailing System of the organization with Oracle backend.
- Participated in implementation of software development life cycle. Exhibited flexibility and adaptability to changing requirement.

ACADEMIC PROJECTS

Rider Tracking Application (Web Application) ***Aug 2017- Present***
- Engineered a device agnostic app to track location of riders participating in an event by trackers and riders used by riders.
- Developed backend to create/manage event & store its rider's/spectator's data like profile & real-time location data with **NodeJs** & **MongoDb**.
- Designed frontend using **Angular, Bootstrap, Google maps JavaScript, Google Geolocation, Leaflet and Strava API** to show real time tracking of riders on the Map to the selected subscribers of events.

Mining Associations in Large Graphs (Machine Learning- MATLAB/Python) ***Oct 2017***
- Implemented graph partitioning algorithm on DBLP database for the process of sense making by grouping similar nodes.
- Proposed and implemented a method to create dynamic graph partitions so as optimize sense making for changing marked nodes.
- Programmed graph database using **Neo4j** and used Min-Arborescence and Steiner tree algorithms to generate base partitions.

Sportsvaganza (Semantic Web Application) ***Oct 2016***
- Diagnosed the sports news (fetched from *NYtimes API*) and integrated with Google tables, twitter API, BBC sports event calendar and Wikipedia API. Technologies used **JavaScript, HTML5, CSS3, Python and SPARQL**.
- Collaborated in team of 4 for designing a semantic data model based on the datasets and used Protégé to develop the corresponding ontology.
- Queried the data instances using SPARQL and Apache Jena Fuseki Framework to create SPARQL end-point.