SNEHAL SHENDWARE

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EDUCATION

MS in Software Engineering, Arizona State University | **Expected Graduation: May'17**   **CGPA - 3.6/4**

BE in Computer Science, Vishwakarma Institute of Technology, May'12   **CGPA - 3.9/4**

Relevant Coursework: Advance Data Structures & Algorithms, Software Design, Web Application Programming, Statistical Machine Learning, Cloud Computing, Distributed Systems, Compiler Design, Object Oriented Modeling & Design, Operating Systems

TECHNICAL SKILLS

- **Programming Skills**: Java, Python, JavaScript, SQL, C, C++
- **Development Tools & Frameworks**: Object Oriented Analysis & Design, SOA, J2EE, Struts, Spring, Hibernate, JPA, Build Manager (Ant, Maven, NPM), Memcache server, Cloud Computing (PaaS & SaaS), AWS, Data Analytics, OpenStack, Micro Services (Docker, Container), Continuous Integration (Jenkins, Travis CI), Slack, Version Control (GIT), Unix, Linux
- **Web:** HTML5, CSS3, XML, JSON, Bootstrap, jQuery, Js Frameworks (AngularJS, Node JS) Web Services (REST & SOAP), AJAX
- **Database Management Systems:** SQL DB (MySQL, ORACLE, PostgreSQL), Nosql DB (Redis, MongoDB)
- **Software Development Process:** Agile (SCRUM, Kanban), RAD, JIRA, Trello, Taiga
- **Software Testing:** Test Driven Development (TDD), JUnit, Mockito, Jasmine, Mocha, Karma

WORK EXPERIENCE

- **Software Engineering Intern – Financial Engines (Java, Spring, MongoDB, Splunk, AngularJS, HighchartJS) May'16-Aug'16**
  - Developed data-driven analytics tool for daily financial transaction activities using Splunk and HighchartJS API.
  - Implemented Splunk call optimization queries and an hourly auto update jobs to reduce fetch response time.
  - Developed Quartz dynamic scheduler using Spring web MVC and MongoDB NoSQL for transaction report scheduling.
  - Configured a Single Page Application with AngularJS front-end & micro services container modules in Spring.
- **Software Developer – HEAL Lab, ASU (AngularJS, Node JS, ExpressJS, REST API, MySQL, Android) Jan'16-May'16**
  - Developed a web portal in Node JS for the clinicians to monitor the compliance progress of sickle cell patients.
  - Design the workflow of future implementation in AngularJS UI with visual analysis of patient surveys.
  - Proposed RESTful design for PRP APIs and presented swagger.io implementation in ExpressJS.
- **Full Stack Software Engineer - Citrus Payments (AngularJS, jQuery, Spring boot, Hibernate, OAuth2, Redis) Aug'14-Jun'15**
  - Designed and Implemented operational panel for E-commerce Citrus Cube app (Android & iOS) and integration to Citrus pay.
  - Implemented End-to-End REST APIs for secure mobile banking payments (OAuth2).
  - Developed REST APIs for recharge data plan auto-refresh and periodic cleanup using Spring custom scheduler.
  - Developed dynamic templates for Email & SMS notification trigger using Spring Aspect Oriented Programming (AOP).
- **Project Engineer - Wipro Technologies (Struts, Spring web MVC, Hibernate, Twitter Bootstrap, REST API) May'12-Jun'14**
  - Engineered a Cisco Unity Express (CUE) routers to manage voicemail, auto attendant and interactive voice response (IVR).
  - Successfully delivered Proof of Concept (POC) of NVOT using scalable technology stack (Spring & Hibernate).
  - NVOT is web portal for project life cycle management in Cisco with data provided by Clarity REST Web Services.
  - Developed an Innovative REST utility using Postman to automate change in project configurations.

ACADEMIC PROJECTS

- **House Prices: Advance Regression Technique (Python, Linear Regression, Random Forest, Gradient Boosting) Fall'16**
  - Solved a house pricing problem on Kaggle with Regression Algorithms (Python scikit-learn & Pandas data analysis toolkit).
  - Applied feature engineering like scoring, PCA & 1 hot encoding etc. to improve score (Best score: 0.13).
- **OpenFlow based Firewall (Python, OpenDayLight, POX, Node JS) Fall'16**
  - Configured static rules using MD-SAL. A RESTful support of OpenDayLight controller.
  - Engineered a proactive rule evaluation system at OSI layer 7 using Python POX controller and Node JS based SPA.
- **Agile TweetViz, ICSE SCORE 2016 (Twitter Stream API, Python, Pharo, Moose, Roassal) Fall'15 & Spring'16**
  - Developed a tweet feeds analysis and visualization tool in Moose platform and Roassal visualization engine using Pharo.
  - Implemented sentiment analyzer for collaborative opinion mining using NLTK Python library.
- **Mytravelogue.info (HTML, CSS, Spring web MVC, Hibernate, MySQL, Rail API, Google Chart API) Summer'14**
  - Developed a Spring web MVC based travelogue for travel enthusiast to preserve their moments in web diary.
  - Application consumes Rail REST API to fetch details and Google map API to visualize the statistical analysis of journeys.