

Aikya Shah

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EDUCATION

Arizona State University JAN 2018 - DEC 2019
Master's in Computer Science GPA: 3.67
(Big Data Systems)

Courses:

- Foundations of Algorithms
- Applied Statistics
- Statistical Machine Learning
- Distributed Database Systems
- Information Assurance and Security

SKILLS

- Java, Python
- JavaScript, HTML, CSS, d3
- Linux, WebSphere, Tomcat
- SQL, Hadoop, Spark
- AWS, Google Cloud Platform, Docker, Kubernetes

TOOLS AND FRAMEWORKS

- Spring MVC, Spring Boot, Microservices
- RESTful Web Services, JSON, HP Fortify
- Eclipse, PyCharm, Tableau, Github
- Pandas, keras, scikit-learn, tensorflow
- Selenium, JUnit, TestNG

CERTIFICATIONS

- Machine Learning A-Z in Python (Udemy)
- Building Cloud Services with Java Spring (Coursera)
- Docker with Java (ongoing)

WORK EXPERIENCE

Infosys

OCT 2014 - JAN 2017

Sr. Software Engineer | Pune, India

- Developed iOS apps for 270,000 employees of PWC using RESTful Web Services with Spring MVC
- Achieved a 4 star rating out of 5 on all apps after a successful deployment and bug free user experience
- Created web services to fetch compensation details, health plans, 401K details and other benefits and display on the app.
- Created admin portal with functionalities to upload data from Excel files and automatic conversion of timezone for different branches.
- **Technologies Used:** Java, Spring MVC, JSON, JavaScript, Rest API, SQL

Bank Of The West

JUN 2019 - AUG 2019

Software Engineer Intern | Tempe, AZ

- Automated 23 loan processing workflows for equipment finance division to be tested every sprint, replacing manual efforts
- Improved the runtime of regression cases by 15% and reduced manual efforts by **4 hours per day**

PROJECTS

PWC NoteBook App

JAN 2016 - APR 2016

- Created web services in Spring to store image and text notes on iOS devices bundled with an WAS scheduler for PWC employees.
- Expanded functionality to automatically purge notes after expiration, and to sync notes on different devices issued to the user.
- Increased the usage of the app by 50% and achieved a rating of 4-star
- **Technologies used:** Java, Spring MVC, REST, JSON and Web Sphere

Cricket Matches Result Prediction

SEP 2019 - NOV 2019

- Applied machine learning models to determine the winner of rain-interrupted cricket matches
- Prepared and cleaned 179000+ rows of ball-by-ball data of 731 IPL matches
- Achieved accuracy better than the officially used DLS method through model tuning

Geospatial Hot Zone Identification

SEP 2018 - DEC 2018

- Analyzed performance of a cluster of three AWS EC2 instances containing 1 GB geospatial data of New York City Taxi trips distributed using Spark and Hadoop
- Identified Geospatial Hot Spots and Hot Cells using Getis-Ord statistic by executing queries in Scala
- **Technologies used:** Scala, Hadoop, Apache Spark and AWS