

Shubham Bakre

Portfolio: shubhambakre.com

Github: github.com/shubhambakre

Email: shubhambakre@gmail.com

Mobile: +1-(480-334-6945)

EDUCATION

- **Masters of Computer Science** Arizona, USA
Arizona State University; GPA: 3.7/4.0 *Aug 2018 - May 2020*
Courses: Theory Of Computation, DS and Algo, Data Mining, Distributed Database Systems
- **Bachelors of Computer Engineering** Pune, India
Pune Institue Of Computer Technology; GPA: 3.5/4.0 *July 2013 - June 2017*
Courses: Operating Systems, Data Structures, Machine Learning, Networking, Databases

EXPERIENCE

- **Choice Hotels** Hospitality
Software Engineer 2 - Big Data *June 2022 - Present*
 - **DAP Platform:** Working on choice hotels data analytical platform which handles live prod data streams coming from main choice system as well as third party vendors.
 - **AWS technologies:** Using data pipelines, airflow, EC2 instances, cloud shell, EMR cluster, Athena to process and generate insights using data.
 - **Patching and Upgrade:** Implementing automation in monthly patching of choice deployments, data compaction, gdpr automation, working on upgrade of existing legacy systems.
- **Early Warning** Fintech
Software Engineer *Feb 2020 - June 2022*
 - **Zelle Payment App:** Worked on the Zelle payment app(handles billions of dollars transactions), it's configuration using universal payment switch NCR Authentic.
 - **Technologies and Development:** Used technologies such as Java Sprint Boot for backend development, Docker, REST API to develop new request for payment protocol and add payment meesage type for zelle.
 - **Notification Feature Service:** Implemented a notification feature service and part of Zelle AWS cloud upgrade team.
- **American Express** Fintech
Data Science Intern *Aug 2019 - Dec 2019*
 - **Data Analytics:** Worked on pipeline building, data processing and analysis, feature engineering, modeling, performance reporting.
 - **Pipeline Automation:** Created an end-to-end machine learning pipeline automation for credit card offer prediction model, involved work on data preprocessing and model predicting.
- **Bank of the West** Fintech
Software Engineer Intern *June 2019 - Aug 2019*
 - **Data Migration:** Developed a Java web service to connect and perform data transition to IBM FileNet.
 - **Technologies:** Worked extensively in SQL, JAVA, and Database management system technologies.
- **Arizona State University** Tutoring
CSE Tutor *Aug 2018 - May 2019*
 - **CSE Tutor:** Tutored bachelor's students Data structures and algorithms, Principal of programming languages, Theory of Computation.
- **Mobiliya Technologies(Now Quest Global)** IT Services
Software Development Engineer *Nov 2017 - July 2018*
 - **Hadoop Cluster Management:** Developed and managed Hadoop clusters using Hortonworks data platforms, containing Master and slave nodes. Worked on development of machine learning model to predict customer support call pickup prediction.

SKILLS SUMMARY

- **Languages:** Python, C++, JAVA , SQL, JavaScript
- **Frameworks:** Scikit, Spring Boot, Apache Spark, Flask
- **Tools:** Docker, GIT, PostgreSQL, MySQL, SQLite
- **Platforms:** Linux, Web, Windows, AWS, GCP

PROJECTS AND CERTIFICATIONS

- **AWS Cloud Practitioner Certification:** Worked on AWS cloud fundamentals and architecture framework. Sept 2021
- **Event Scheduling Assistant [ASUSunHack 2019 Winner]:** Built detection algorithms run on the cameras installed in open spaces, particularly in elderly homes. It fires up alerts once a fall of a person has been detected. Sept 2019