

# Shubham Bakre

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## EDUCATION

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- **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

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- **Walmart Labs,CA** E-Commerce  
*Software Engineer 3 - Data* *Feb 2023 - Present*
  - **Replenishment Pipeline Buidling:** Contributed to the design and implementation of Walmart's replenishment data platform, responsible for processing 550 million SKUs across item-destination supply chains. Enabled the continuous placement of weekly orders valued at billions of dollars, ensuring efficient supply chain operations.
  - **Data Analysis:** Conducted in-depth data analysis to identify supply chain inefficiencies and opportunities for cost reduction. Employed Java backend development, Apache Spark and SQL for complex data manipulation and insights generation. Tech stack included python airflow, google cloud platform
  - **AIMS Platform:** Partnered with cross-functional teams to develop Walmart's third-party seller fulfillment service. Engineered an API-driven messaging system leveraging a Java-based allocation and capacity service engine, ensuring efficient and scalable fulfillment operations. Tech stack included java spring boot
- **Choice Hotels,AZ** Hospitality  
*Software Engineer 2 - Big Data* *June 2022 - Feb 2023*
  - **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,AZ** 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,AZ** 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,CA** 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

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