

Mayuri Shimpi

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EDUCATION

Master of Science, Computer Science (GPA: 3.9)

Aug 2022 - May 2024

San Jose State University, San Jose, CA

Coursework: Cloud Computing, Machine Learning, NoSQL Databases, Advanced Parallel Processing

Bachelor of Engineering, Computer Engineering

Aug 2015 - May 2019

Savitribai Phule Pune University, Pune, India

Coursework: Object-oriented Programming, Operating Systems, Database Systems, Computer Networks

TECHNICAL SKILLS

Programming languages: Java, Python, Javascript (ES6), SQL, Shell

Databases: MySQL, Elasticsearch, MongoDB

Tools & Frameworks: Spring Boot, Angular, Docker, Amazon Web Services, Git, Kibana, HTML/CSS, JMeter, Kafka

PROFESSIONAL EXPERIENCE

Software Engineer Intern, Sikka Software, San Jose

Jun 2023 - Sept 2023

- Managed data modeling, aggregation, alerting, and reporting for log analytics on the **ElasticSearch** infrastructure.
- Developed ETL pipeline from dental software to Sikka cloud in .Net, streamlining data processing.

Software Engineer, UST, India

Sept 2020 - July 2022

- Developed and maintained web app MVPs using **Java Spring Boot** for predictive analysis and efficient reporting resulting in an increase in QA productivity by 30%.
- Created and integrated a user-friendly chatbot for a technical event website, enabling **100+** daily user engagements, streamlined interactions, and facilitated easy access to event tools and services.
- Added **10+** new features to an internal tool-agnostic testing platform for test script generation and bug reporting.
- Set up containerized deployment of microservices with **Docker** and CI/CD pipeline with Jenkins.
- Built over four performant and scalable MVPs from the ground up and directed technical workshops.

Associate Software Engineer, UST, India

Sep 2019 - Aug 2020

- Built a repository of reusable components for web-app solutions like OAuth2 and push notification services accelerating development efficiency by **20%**.
- Created a starter kit for UI development utils in **Angular**, and HTML/CSS to encourage the reuse of components.
- Architected an app with micro-frontends in Angular 10 and **React** for improved scalability and maintainability.

PROJECT EXPERIENCE

Credit score-based lending system on the Ethereum Blockchain

Aug 2023 - May 2024

- Building smart contracts in Solidity that enable unsecured borrowing of funds on Ethereum without a bank, handles identity verification, accesses creditworthiness, and associates borrowers with lenders.

AWS log analytics with ElasticSearch

Feb 2023 – April 2023

- Leveraged **AWS** Log Analytics and ElasticSearch to proactively monitor, troubleshoot, and alert a Java Spring Boot-based news application hosted on AWS, efficiently streaming AWS CloudWatch, S3, and CloudTrail logs.

Credit Risk Analysis (Python)

Aug 2022 – Oct 2022

- Developed an end-to-end machine learning pipeline to evaluate credit risk of home loan borrowers. Performed data preparation, feature engineering, and model training (Random Forest, SVM) and evaluation.

ACTIVITIES & RECOGNITIONS

- Utilizing Data Structures, Algorithms, Java proficiency, and a passion for teaching as a CS Lab Tutor.
- Published survey paper on Traffic sign recognition system in IRJET, e-ISSN: 2395-0056.