

Shalmalee Shenolikar

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[github](#) | [linkedin](#) | [Portfolio](#)

EDUCATION

Master of Science - Computer Science

Aug 2022 - Dec 2023

University at Buffalo, The State University of New York

Bachelor of Engineering - Computer Science

Aug 2016 - Jun 2020

Pune University

EXPERIENCE

Treatment Technologies & Insights

Sept 2024 - Present

Frontend Engineer

San Francisco, CA

- Solely developed the **web HCP** Care Portal for **Wave Health** delivering a fully functional system in **4 months**.
- Optimized features like administration, role hierarchies, and authentication, boosting user adoption by **41%**.
- Expanded users by **37%** with accurate tracking of questionnaires, vitals, activity logs & **45%** improved efficiency.
- Improved performance with **PHP, Laravel, Livewire, HTML, CSS**, cutting load times, boosting workflow by **23%**.

Capital Market Solutions

May 2024 - Sept 2024

Software Engineer Intern

San Francisco, CA

- Revamped UI components for **RSMS**, improving **FINRA** exception detection & resolution efficiency by **17%**.
- Streamlined workflows with **PrimeNG, Bootstrap, Angular v15**, boosting efficiency & user engagement by **25%**.

X-Lab (University at Buffalo)

Sept 2022 - Sept 2024

Research Intern

Buffalo, NY

- Led the development of a clinical trial management platform using **MongoDB**, reducing trial setup time by **30%**.
- Built mobile and web apps with **React Native, Node.js, TailwindCSS**, enhancing accessibility & user experience.
- Enhanced data security by **98%** using **Neo4j, Firebase, OAuth2**, & automated deployments via **GitHub Actions**.

Roche Molecular Systems

May 2023 - Aug 2023

Software Engineer Intern

Santa Clara, CA

- Enabled secure **EMR/EHR** data access & integrated Roche APIs for **300+** clinicians using **FHIR RESTful APIs**.
- Architected a real-time communication system with **AWS** serverless tech, cutting data transfer latency by **60%**.
- Reduced errors by **95%** through comprehensive testing with **Selenium, Mocha, Chai**, boosting system reliability.

Rocket Software

Oct 2020 - Jul 2022

Software Developer

Pune, India

- Designed scalable **Node.js REST APIs** with **Elasticsearch, Kafka**, automating data processing with **99%** accuracy.
- Developed a **React.js + Redux** app, boosting efficiency by **40%** with **MaterialUI** for a smooth, responsive UI.
- Reduced critical issues by **90%** using **Jest** for testing, & automated **EDI** processing, cutting manual work by **48%**.
- Refined **UX** using **Figma, MaterialUI, Bootstrap**, optimized performance with **Webpack, Babel, npm, Axios**.

PROJECTS

Low Code Application Builder [Github](#)

- Innovated a low-code application builder with **React, NodeJS, Java**, enabling **58%** faster app development.

Pharma Supply Chain [Github](#)

- Built a **blockchain** pharma supply chain using **Solidity, React, Node.js, Web3.js** for secure drug tracking.

InfoBot (UB) [Github](#)

- Designed a topic-based chat system with **React** for UI and an **NLP** interface using **BERT** for contextual replies and **neural search**, achieving **97.2%** response accuracy with integrated chitchat data.

SKILLS

Languages: JavaScript, TypeScript, Java, Python, HTML, CSS, SQL

Tools & Frameworks: React, NodeJS, Express, Next.js, Jest, Mocha, React Native, Redux, Angular

Database Management: MySQL, PostgreSQL, MongoDB, Kafka, Elasticsearch, Redis, DynamoDB

Cloud Platforms: AWS, GCP, Azure

Containerization: Kubernetes, Docker, Container Security, AWS

Methodologies and OS: Agile, JIRA, OOP, Design Patterns, Test Driven Development, Linux, Windows, Scrum, Microservices, RESTful APIs, Github Actions, Confluence, GraphQL, Troubleshooting

Version Control: Git, GitHub, Bitbucket, GitLab CI, Github Actions