

# Keyur Savalia

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## Education

**San Francisco State University**  
MS in Computer Science

San Francisco  
December 2026

**Gujarat Technological University**  
BS in Computer Science

India  
May 2024

## Technical Skills

**Languages:** Python, JavaScript, TypeScript, SQL.

**Frontend:** React, Next.js, Tailwind CSS.

**Backend:** FastAPI, Express.js, Django, Flask.

**Tools & Platform:** AWS (Lambda, S3), GitHub Actions, Webpack, Figma.

**Testing & QA:** pytest, Jest, React Testing Library, WCAG conformance.

## Experience

**Software Engineer Intern**  
Qrious Tech Team LLP

India  
January 2024 – June 2024

- Built a data pipeline using Python and AWS to automate data verification, improving data processing efficiency by 20%.
- Used advanced SQL to generate analytics that informed strategic decisions that drove over \$50K+ in Q2 2024 revenue.
- Created GitHub Actions pipeline to run 200+ unit tests per push, reducing deployment risk through early bug detection.
- Built jscodeshift automation to refactor 35+ React components, cutting bundle size and boosting performance by 25%.
- Authored Jest + RTL suite raising coverage to 70% (legacy) and 85% (new features), cutting production defects by 40%.
- Delivered scalable software across SDLC—design, implementation, testing, and peer reviews in rapid Agile environment.

**Software Engineer Intern**  
Qrious Tech Team LLP

India  
June 2023 – August 2023

- Applied basic data structures and algorithms in Python to optimize search functionality, reducing lookup time by 30%.
- Consumed RESTful APIs with TS to fetch and display dynamic data, enhancing user interface interactivity and features.
- Integrated frontend app with backend APIs using fetch() and axios, handling asynchronous data operations effectively.
- Developed pixel-perfect UI components from Figma mockups using React and Tailwind, ensuring cross-browser support.
- Identified and resolved 20+ front-end bugs by debugging TypeScript and CSS, improving application stability and UX.
- Collaborated using Git on shared codebase, managing branches, pull requests, and code reviews to ensure team alignment.

## Projects

**API Doc Generator** (React, Python, FastAPI) — [Video](#) — [GitHub](#) — [Link](#)

- Engineered a high-performance RESTful API using Python and FastAPI to manage all backend CRUD operations.
- Built responsive React frontend that interacts with the FastAPI backend, ensuring efficient data flow and a smooth UX.
- Designed a relational DB schema using PostgreSQL and utilized SQLAlchemy for efficient, asynchronous database queries.

**AI powered Canvas** (React, JavaScript, Python) — [GitHub](#) — [Link](#)

- Built a distributed, multi-tiered system using Python, FastAPI and PostgreSQL with reusable component architecture.
- Designed scalable microservices using Docker and AWS ECS with CI/CD pipelines for continuous integration.
- Secured application with JWT authentication, role-based access control and GDPR using industry best practices.