Keyur Savalia

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Objective

Design-thinking software engineer excited to accelerate the world's transition to sustainable energy by building reliable infrastructure and developer tools for Tesla's vehicle engineering teams.

Education

San Francisco State University *San Francisco, CA*
Master of Science in Computer Science (GPA - 4.0) *May 2026*

Gujarat Technological University *Ahmedabad, India*
Bachelor of Technology in Computer Engineering (GPA - 3.84) *May 2024*

Experience

Software Engineer Intern *Ahmedabad, India*
Qrious Tech Team LLP *January 2024 – June 2024*

- Engineered a scalable ETL pipeline utilizing Python and AWS Ecosystem with Terraform IaC to automate data ingestion from cloud sources into Snowflake, improving data processing efficiency by 20%.
- Automated refactoring of 35+ React components with custom scripts and created 13 reusable UI components, yielding a 25% reduction in page load times and a 15% boost in user engagement.
- Leveraged window functions, CTEs and multi-table joins in complex SQL queries to surface BI insights that drove $50K+ in revenue in Q2 2024.

Product Design Intern *Ahmedabad, India*
BrainyBeam Technologies Pvt. Ltd. *June 2023 – August 2023*

- Conducted 25+ user research sessions to identify key pain points, subsequently developing new designs based on this feedback and presenting the rationales to stakeholders, which directly contributed to securing a $15K brand deal.
- Shipped a family engagement app for iOS & Android, designed to boost family participation in senior loved ones' daily activities; a recent survey demonstrated a significant 70% increase in family communication.
- Worked with a global team for localization considerations in the app (language, low data etc.) and supported it through rollout in Abu Dhabi, Singapore and Sri Lanka.

Projects

GRADiEnt — AI powered Educational Platform — GitHub ↗ — Link ↗

- Built a full-stack application using React, FastAPI and PostgreSQL with AI grading that cut feedback time by 90%.
- Implemented JWT authentication with role-based access control and GDPR-compliant data privacy measures.
- Designed scalable microservices using Docker and AWS ECS with CI/CD pipelines for continuous integration.
- Used Gemini API for AI feedback on student work with smart course recommendations and Elasticsearch functionality.

Forge API — API Documentation Generator — GitHub ↗ — Link ↗

- Created an app to auto-generate API summaries for 6 programming languages with 95% accuracy under 30s per endpoint.
- Containerized with Docker, slashing environment provisioning time from 2 hours to under 10 minutes on AWS.
- Implemented a HTML generation pipeline alongside structured JSON output, accelerating deployment workflows by 50%.

Technical Skills

Front-End: React.js, React Native, TypeScript/JavaScript, HTML5, CSS3 (SASS/SCSS), Material UI, Tailwind.

Back-End: Python, FastAPI, Flask, Node.js, Express, Spring Boot, REST & GraphQL, gRPC/Protobuf.

Cloud/DevOps: AWS (S3, Lambda, ECS), Docker, Terraform IaC, Snowflake, CI/CD (GitHub Actions), Jest, PyTest

Data: PostgreSQL, MongoDB, MySQL, OracleDB, Redis, Elasticsearch, SQL (window functions, CTEs).

Tools: Git, GitHub, Cursor IDE, Windsurf, Bolt.new, Claude, ChatGPT, Gemini, Figma, Adobe XD.

Soft-Skills: Cross-functional teamwork, Detail orientation, Stakeholder management, Clear written & verbal communication.