

# Disha Jadav

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## Education

**San Jose State University**, San Jose, CA

Aug 2025 - May 2027

M.S. in Computer Software Engineering

Relevant Coursework: Systems Software, Enterprise Software Platforms, Software Quality Assurance and Testing

**A.D. Patel Institute of Technology**, Gujarat, India

Aug 2020 - May 2024

B.E. in Computer Engineering

Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Operating Systems, Computer Networks

## Technical Skills

**Programming Languages:** Python, Java, Go, C++, TypeScript, JavaScript

**Frameworks & Libraries:** React, Next.js, Redux, Node.js, Express, Spring Boot, FastAPI, HTML, CSS

**Databases & Tools:** PostgreSQL, MySQL, MongoDB, Supabase, Git (GitHub, Bitbucket), Jira, Postman, Figma

**Cloud & DevOps:** AWS (Lambda, CloudWatch, S3, EC2), Docker, Kubernetes, CI/CD, cloud computing, Agile/Scrum, REST APIs, Microservices, test-driven development (TDD), automated testing

**AI & Developer Tools:** AI-assisted development, agent building, prompt engineering, LLM-integrated workflows

## Professional Experience

**Full Stack Developer**, Neural Web Technologies

Apr 2024 - Jul 2025

- Engineered major **full-stack modules** - chatbot, scheduling, journaling, live streaming using React/Node.js/AWS, scaling active users from 2,000 to 7,000+, and optimizing responsiveness across high-traffic screens.
- Architected the scheduling system for **2,000+ users** with conflict checks, therapist recommendations, in-app chat, and no-show prediction, reducing manual scheduling by **40%** and increasing adherence to weekly sessions; enabled premium features including event registration and journaling, boosting weekly engagement by **15%**.
- Refactored UI components and backend APIs while establishing **CI/CD pipelines** with automated build/test gates, removing redundant calls, reducing perceived load time, and accelerating stable releases for a distributed engineering team; supported live events for **10,000+ participants** with consistent performance.

**Software Engineering Intern**, Epistic Technologies (Ahmedabad, India)

Jan 2024 - Apr 2024

- Developed features with Node.js, React, Express, PostgreSQL, and TypeScript. Shipped **6+ enhancements** and **25+ fixes**, boosting API response times by **30%** and raising automated test coverage by **20 points**.
- Resolved **50+ issues**, enforced coding standards, and reduced regressions by **25%**. **Accelerated** issue resolution time from **2.5 days to 1.5 days**.

## Project Experience

**Route Right - Personalized Learning Roadmap Builder** <https://github.com/dishajadav12/route-right>

- Engineered a full-stack platform generating personalized learning **roadmaps** via **Google Gemini 2.0 Flash**, cutting planning time by **90%** with AI-generated weekly curricula and resource links.
- Built secure auth using **NextAuth.js (OAuth 2.0 + Google)** with JWT sessions and **MongoDB** persistence, enabling users to save, manage, and track multiple roadmaps through a dashboard.
- Delivered a responsive **Tailwind CSS** UI with dynamic content parsing, URL decoding, and protected REST APIs, powering **5+ features** including generation, storage, retrieval, and interactive weekly learning modules.

**Emergency Alert System**

<https://github.com/dishajadav12/Emergency-alert-system>

- Designed a distributed rule-based alerting engine evaluating **200+ conditional rules/hour** across weather APIs and internal data sources, enabling accurate, real-time alert decisions at scale.
- Achieved **99% multi-channel delivery** (SMS/email) for **10,000+ users** by adding cooldown logic, throttling controls, and failover workflows that reduced redundant alerts by **85%**.
- Built a React/TypeScript dashboard for **1,000+ daily alerts** with real-time monitoring, CRUD rule management, and interactive testing, and containerized the system with Docker to improve deployment time by **60%** and maintain **99.9% uptime**.

**Inn Sync - Rental Management Platform**

<https://innsync-gamma.vercel.app>

- Constructed the end-to-end rental workflow: CRUD listings, availability calendars, advanced search/filters, and role-based access with activity logs - supported **20+ seed listings** and covered **10+ edge cases**.
- Modeled reservations with Prisma on Supabase PostgreSQL (constraints, transactions) and integrated Stripe Checkout and Webhooks with idempotent server actions, preventing overlapping bookings and duplicate charges.