

# Sarthak Chauhan

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## EDUCATION

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**San Jose State University** | Bachelor of Science in Computer Science

Expected May 2026

**Relevant Coursework:** Data Structures And Algorithms, Relational DBMS, Computer Vision, Computer Networks, Computer Architecture, Machine Learning, Operating Systems

## EXPERIENCE

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Software Engineering Intern

May 2024 - Aug 2024

### Tesla

- Collaborated with the **Vehicle telemetry** team to design, develop and deploy REST APIs to fetch vehicle data.
- Maintained developer-facing **PHP backend** services to support cross-functional **Tesla insurance** applications.
- Delivered six key features that enhanced Tesla Insurance's product offerings, significantly improving the customer experience and streamlining user interactions.
- Deployed custom components for Tesla's internal design system, ensuring consistency across applications.

Software Developer

March 2023 - Dec 2023

### Spartan Racing SJSU

- Optimized a real-time dashboard for SJSU's official car entry in **FSAE**, displaying critical CAN messages on the driving and debugging view.
- Leveraged ACAN and C++ libraries for efficient data parsing and collection to develop an intuitive user interface.
- Achieved a 50% increase in the boot time of vehicle dashboard through memory optimization, CAN message filtration and data caching

## PROJECTS

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**Etymology Maps**, Go, Geolocation, Echo, Nextjs, Jest, Cypress

July 2024 - Present

- Developing an open source **REST APIs in Go** to return food etymology data for **1000+** food items, capable of serving more than **60000+ requests**.
- **Designing** an interactive map feature that enables users to dynamically generate and explore etymology maps for any food item.

**Goose**, React Native, Plotly, Redux, Firebase

March 2024 - July 2024

- Developed a **React Native** based **expense tracking application**, enabling users to manage expenses by category, set spending limits, and **receive alerts for exceeding limits**
- Integrated Redux for efficient state management. **Firebase for real-time data synchronization** and user authentication. Also implemented a **dynamic visualization** for spending trends using **Plotly.js**

**VidLearn**, Nextjs, Tailwind-CSS, Typescript, Reactjs

Nov 2023 - Dec 2023

- Developed an online video community used by over 50+ students and educators to learn and share resources.
- Utilized Next.js for endpoint routing and server-side rendering, achieving faster page loading times, and employed React to create an efficient and responsive user interface.

## SKILLS

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**Languages** - Python, Java, Javascript, Php, TypeScript, C, C++, MySQL, Go

**Frameworks/Libraries** - ReactJS, NodeJS, React Native, AngularJS, Flask, Django, NextJS, MongoDB, WebGL

**Technologies** - Docker, SSL, Bash, Linux, CI/CD, AWS, Jenkins, Git, Kubernetes, Redis