Aditya Rajesh Sawant

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EDUCATION

State University of New York at Buffalo (3.83 GPA) — Buffalo, NY
Masters of Science in Computer Science — *Aug. 2025 – Dec. 2026 (Expected)*

University of Mumbai — Mumbai, India
Bachelors of Engineering in Computer Engineering — *Aug. 2020 – Jun. 2024*

EXPERIENCE

CarWale [CarTrade Tech] — Mumbai, India
Software Development Engineer - I — *Apr. 2025 – Jun. 2025*

- **Engineered and maintained** the **'Oxygen Design System'**, a core library of **70+** reusable components in **React** and **React Native** that directly supported **80 million** monthly users while utilizing **Redux**, **Jest**, **Grafana**, and **Agile** methodologies.
- **Drove web performance optimization** initiatives, achieving a **10% reduction** in bundle size on critical pages by architecting and introducing a new **counter-based hashing system**.
- **Led** the architectural design and implementation of a **dark theme** for **60+ React Native** components, using **React Context** and **custom hooks** to achieve seamless, no-reload theme switching.
- **Accelerated** project delivery by **85%** by leveraging **AI-driven automation** and **prompt engineering** to update over **250 files** in **two days**, beating a **two-week estimate**.

Associate Software Development Engineer — *Aug. 2024, Apr. 2025*

- **Streamlined component architecture** by replacing over **500** unnecessary div wrappers with a **custom React hook**, significantly improving **web performance**, **reducing memory consumption**, and enabling **faster JavaScript execution**.
- **Created** interactive templates for all platforms of CarWale and CarTrade application, ensuring cross-platform compatibility and achieving **5 million plus impressions** over **2 weeks**

Indian Development Foundation (NGO) — Mumbai, India
Software Development Intern — *Oct. 2023 – Apr. 2024*

- **Engineered** a **full-stack web application** using **Next.js**, **React**, **MySQL**, and **NextAuth** to streamline and manage the **'Balgurukul' operations**.
- **Engineered and implemented** an **automated grading system** and **role-based logins**, which together improved overall efficiency by **80%**.
- **Achieved** an almost **90% reduction** in grading time for over **50 students** by designing an **intuitive user interface** that streamlined administrative workflows.

PROJECTS

Beacon | *NextJs, React, React Native, MongoDB, Google Maps* — Jun. 2025 – Present

- **Engineered** a **real-time location-sharing application** that provides users with **granular control over their live location access**.
- **Designed and implemented** a **comprehensive permission management system** to handle **4 distinct relationship states**, providing users with **granular control** over who can view their live location.
- **Developed** a **unified Native Bridge communication layer**, enabling the **React Native** UI to seamlessly send commands and receive diagnostics from **native mobile modules** for tasks like background service control.
- **Architected and developed** a **web-based mobile application** to replace a **complete native solution**, leveraging **React Native's bridge** to gain access to critical native features while **accelerating development cycles** and facilitating **faster, more frequent updates**.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C#, TypeScript, Java, HTML/CSS
Frameworks: ReactJs, NodeJs, .NET, NextJs, Flask
Databases: MySQL, NoSQL
Tools & Platform: Git, Docker, Google Cloud Platform, Amazon Web Services
System Design: Scalable architecture, Microservices, RESTful APIs, Event-Driven Architecture
Other: Agile Methodologies, Unit Testing, Cross-Platform Development