

# Sushant Kamble

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## WORK EXPERIENCE

### University of Texas at Austin

Jan. 2023 - Present

Graduate Research Assistant

- Developed a Command Line Interface (CLI) driven AI-powered web scraping application utilizing Node.js and Selenium, optimized for text extraction from sources such as Wikipedia and IMDb. Configured and fine-tuned a local Llama-2 instance for text analysis and text-to-JSON conversion. This initiative resulted in a notable 30% acceleration in dataset curation processes and significantly reduced manual data filtration efforts.
- Coded a survey using Qualtrics' JavaScript APIs enabling run-time branching and validation. This enabled dynamic question generation based on embedded JSON and disqualified participants based on answers, empowering researchers to efficiently distribute and manage surveys for a cohort of 10,000 participants.

### Scalex Cloud, Pune, India

Jul. 2018 - Jul. 2022

Software Engineer - II

- Led the frontend development of a data transformation platform built in React JS, designed frontend architecture, built multiple prototypes to unblock the team and visualize the concept, implemented design system using Tailwind CSS, crafted technical documents for prototype integration, mentored 3 developers and 2 designers, resulting in a 45% improvement in development throughput.
- Implemented and deployed a React JS-based responsive admin dashboard with multi-tenancy support, employing micro-frontend architecture for enhanced scalability. Managed application state efficiently using Redux and secured APIs utilizing Role-Based Access Control (RBAC). This initiative streamlined the client onboarding process, while also enabling improved insights and analysis to drive business growth.
- Collaborated with a cross-functional team of product managers and UX designers to develop a social media platform. Developed a gamified experience to increase user engagement by 20%. Conducted code reviews, provided technical mentorship, and maintained a live code repository on GitLab.
- Collaborated with UX designers to implement and maintain a library of reusable components reducing hex code exchange, improving consistency, and reducing the time for design implementation.
- Collaborated closely with stakeholders to grasp their requirements, crafting minimal viable prototypes (MVPs) to visualize their concepts. Employed creative problem-solving to address technical hurdles and ensure smooth development.
- Achieve a 15% reduction in load time for the wealth management dashboard by implementing lazy loading, optimizing images, and introducing Server-Side Rendering (SSR) and Memoization techniques.

## SKILLS

**Frontend Development:** React.js, Next.js, React Native, HTML, CSS, Javascript, Typescript, Selenium, git, redux, react hooks, Selenium, Jest, CI/CD, Bootstrap, Tailwind CSS, Material UI, WebXR, Three.js

**Backend Development:** MongoDB, MySQL, Node.js, Express.js, Restful APIs, Next.js, Firebase, Postman

**User Interface Design:** Figma, Adobe XD, Framer, Zeplin, Proto.io, Webflow, Design Systems, W3C Web Accessibility

## EDUCATION

University of Texas at Austin - M.S., Information Studies

Aug. 2022 - May. 2024

Maharashtra Institute of Technology, Pune, India - B.E., Information Technology

July. 2015 - June. 2018

## PROJECTS

### Cozy-craft | Three.js, WebXR

- Elevated the furniture shopping experience by developing an Augmented Reality (AR) viewport into an e-commerce web portal. This AR application enables users to visualize furniture in their living area before purchasing, fostering greater confidence and satisfaction in their buying decisions.

### Pawfinder | Next.js, MongoDB

- Significantly decreased page load times by utilizing server-side rendering in Paw Finder, a pet adoption portal. The core aim of Paw Finder is to foster connections between local shelters and potential adopters, enabling shelters to showcase pet listings and providing adopters with location-based recommendations.