

# Sushant Kamble

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## EDUCATION

**University of Texas at Austin** - M.S., Information Studies Aug. 2022 - May. 2024

**Coursework:** Web Application Development, Accessible User Experience, Rapid Prototyping, Data Visualization, Javascript Programming, Information Architecture and Design, Database Management, Usability, Virtual Environment

**Maharashtra Institute of Technology, Pune, India** - B.E., Information Technology July. 2015 - June. 2018

**Coursework:** Data Structures & Algorithms, Software Engineering, Relational Database Management, Distributed Systems, Cloud Computing, Computer Networks, Computer Architecture, Operating Systems

## WORK EXPERIENCE

**University of Texas at Austin** Jan. 2023 - Present

Graduate Research Assistant

- Increase the efficiency of dataset generation by 30% by developing an AI-powered web scraping tool using **Llama-2, Selenium, and Node.js**, facilitating extraction and filtering socio-economic data of IMDb directors and their family members.
- Achieved a 20% rise in survey completion rates by integrating dynamic branching and real-time validation into Qualtrics' form engine using **JavaScript**. This enhancement empowered 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

- Significantly increased team productivity and collaboration by implementing a design system and leading a team of 3 to develop a No-code data transformation platform leveraging **React.js, Redux, and Node.js**. Orchestrated the creation of proof of concepts and collaborated closely with a diverse, cross-functional team of designers and data scientists to evaluate feature feasibility and mitigate potential risks.
- Enhanced the efficiency of dashboard creation by 25% through the development of an intuitive drag-and-drop canvas dashboard builder using **React.js, Redux, and Node.js**. This tool enables users to customize layouts, resize charts easily, and reposition elements, streamlining the process of creating and publishing dynamic, real-time dashboards.
- Achieved a 40% optimization of monetary reward distribution by developing a highly customizable survey management tool for a research lab using **Headless CMS for React.js**. This tool facilitated precise budgeting, efficient payment processing, and streamlined survey deployment and management on Amazon Mturk.
- Realized a 25% increase in application traffic by implementing biometric authentication and session management in the **React-Native** mobile app of a Canadian finance management firm. This improved security and user experience by mitigating unauthorized access and enhancing session management capabilities.

## 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.

## SKILLS

**Frontend Development:** React.js, Next.js, React Native, HTML, CSS, Javascript, Selenium, git, redux, react hooks, Typescript, Selenium, Jest, Mocha, 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