

# Tushar Surve

+91 9130513098 | [ttusharsurve567@gmail.com](mailto:ttusharsurve567@gmail.com) | [Portfolio](#) | [LinkedIn](#) | [GitHub](#) | Maharashtra, India

## WORK EXPERIENCE

### Frontend Developer

August 2021 – Present

*Tata Consultancy Services - Pfizer Inc. (xfn)*

*Pune, Maharashtra*

- Engineered high-quality, robust production code for **12+** projects for Pfizer Inc. (US & Canada Markets).
- Deployed new sites using Vue.js & React.JS frameworks, resulting in an estimated **35% increase** in performance.
- Coordinated the engineering department through close collaboration, knowledge shares, and mentorship in **4 projects**.
- Created **2 computer vision PIs**, automating Pfizer's onboarding process, **reducing manual work by 60%**, and another for image lossless compression, cutting site load time by **10%**.
- Spearheaded **3 POCs** in Vue.JS and React.JS in 2021-23.

### Python Developer Intern

January 2020 – March 2020

*Weoto Techlabs*

*Nashik, Maharashtra*

- Led a team of four in designing and building an organization-wide (**50 employees**) attendance system based on facial recognition.
- Designed and implemented a MongoDB-based interface to efficiently collect, process, and store facial data with model accuracy of **99.38%**, ensuring data integrity and security.
- The Project has been prevailing in GESCOE **since 4 years**.

## TECHNICAL SKILLS

**Languages:** JavaScript(ES6+), TypeScript, Python, SQL, HTML/CSS

**Frameworks:** React.JS, Next.JS, Electron.JS, Tailwind CSS

**Web Development:** TypeScript, Zod, Zustand, Redux, Context API

**Bundling and Build Tools:** Webpack, Babel

**Testing and Code Quality:** Jest, Enzyme

**Version Control and Project Management:** Git, Github, JIRA, Notion, Smartsheet

**Database and OS:** MongoDB, MySQL, SQLite, Windows

## PROJECT EXPERIENCE

**PaperPupil** | *Next.JS, React.JS, TypeScript, Tailwind CSS, Kinde, Prisma*

August 2024 – September 2024

- Created a full SaaS platform enabling users to upload and interact with their own PDF documents via real-time AI-powered chat functionality.
- Implemented secure user authentication and file upload capabilities, and ensuring reliable syncing of user data with the database to enhance security and system integrity.
- Designed a polished, responsive UI with Tailwind CSS and shadcn/ui, ensuring seamless user experience across devices.

**Portfolio** | *React.JS, Vite, TypeScript, Tailwind CSS*

March 2024 – May 2024

- Developed a responsive portfolio website, showcasing projects with smooth navigation and dynamic content.
- Achieved **over 95%** in both performance and accessibility scores through optimized coding practices and adherence to web standards.
- Ensured cross-browser compatibility to deliver a consistent experience on all major browsers.

**Foodie** | *TensorFlow, Python, Flask, Flutter, MongoDB*

September 2020 – March 2021

- Built an DL-based mobile application for Food Image Recognition with Search Functionality for **100 food items**.
- Evaluated the outcomes for **50+ users**.
- Processed and trained a dataset of **50,000+ images** for **more than 10 categories**.

## EDUCATION

**Savitribai Phule Pune University**

Nashik, Maharashtra

*R.H. Sapat College of Engineering*

*August 2017 – June 2021*

Bachelor's of Engineering, Computer Science - 8.95 CGPA

## LEADERSHIP EXPERIENCE

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### **Training and Mentorship**

*Tata Consultancy Services*

- Mentored **6 new joiners**, providing guidance and support to navigate project challenges, leading to an increase in understanding of project flow.

### **Event Coordinator**

*Tata Consultancy Services*

- Organized an office retreat for **30 employees**, including planning accommodations, transportation, activities, and meals.