

Sneha Balu Shirke

Software Developer

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Summary

Software Developer skilled in React.js, JavaScript, HTML, CSS, and MySQL. Experienced in building responsive, user friendly web applications and delivering efficient end-to-end solutions. Strong problem-solving and debugging abilities with a focus on performance optimization. Passionate about creating high-quality software that drives user satisfaction and business value.

Education

Savitribai Phule Pune University, Pune Bachelor of Engineering (B.E.) – Artificial Intelligence and Machine Learning	Dec 2021– May 2025
• CGPA: 7.21	
Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Web Development, Machine Learning	
Higher Secondary Certificate (HSC) – Class 12	June 2020– May 2021
• Percentage: 83.50	
Secondary School Certificate (SSC) – Class 10	June 2018– May 2019
• Percentage: 86.20	

Experience

Frontend Developer Intern , Nearby Rooms, Pune	Feb 2025– July 2025
<ul style="list-style-type: none">Delivered high-quality, scalable front-end solutions using React.js, Redux, HTML, CSS, and JavaScriptCollaborated with UI/UX designers and backend developers for seamless product delivery and REST API integrationWrote clean, secure, and maintainable code following best practices and component reusability principlesConducted unit testing and actively participated in code reviews to uphold code quality and performanceGained exposure to Agile development, DevOps basics, and CI/CD integration	

Technologies

- Frontend:** React.js, JavaScript, TypeScript (Basics), HTML5, CSS3, Bootstrap, Tailwind CSS
- Backend & Database:** MySQL, XAMPP, REST APIs, PHP, Python
- Tools & DevOps:** Git, GitHub, CI/CD, Netlify, GitHub Actions, VS Code
- UI/UX & Design:** Figma, Responsive Design, Prototyping, Wireframing
- Soft Skills:** Problem Solving, Communication, Creativity, Team Collaboration

Projects

Personal Portfolio Website

Tech Stack: HTML, CSS, Bootstrap, JavaScript

- Designed and deployed a personal portfolio website to showcase projects, skills, resume, and GitHub links.
- Implemented a dynamic “My Projects” section with slider-based navigation and custom styling.
- Used JavaScript for interactivity and Bootstrap for responsiveness, ensuring accessibility on all devices.
- Reflects strong UI/UX design principles, attention to branding, and personal initiative in building a digital presence.
- Deployed live on Netlify: <https://snehashirke.netlify.app/>

Agro-AI Plant Disease Detection Website

Tech Stack: Python (Flask), TensorFlow, CNN, HTML, CSS, JavaScript, MySQL GitHub

- Designed a full-stack web application from scratch to detect plant diseases via deep learning (CNN).
- Implemented prediction pipeline and exposed model functionality through a web interface.
- Handled complex problem-solving involving image pre-processing and model optimization.
- Simulated real-world scale by building efficient data storage and retrieval using MySQL.

React ToDo List Website

Tech Stack: React.js, JavaScript (ES6+), HTML, CSS, Netlify, GitHub

- Built a responsive task management web application using React.js with reusable components.
- Implemented core features: add, view, and delete tasks with dynamic state management.
- Designed a clean and intuitive UI to enhance user experience.
- Integrated version control using Git & GitHub, ensuring collaborative readiness.
- Deployed live on Netlify: <https://to-do-list-wb.netlify.app/>

Quiz Hackers – Online Quiz Web Application

Tech Stack: React.js, JavaScript (ES6+), HTML, CSS, Bootstrap, Netlify, GitHub

- Developed a responsive and interactive quiz web application using React.js with reusable components.
- Implemented core features: dynamic question handling, scoring system, and topic selection for engaging user experience.
- Designed a clean and intuitive UI for smooth interaction on both desktop and mobile devices.
- Integrated version control using Git & GitHub for collaborative development.
- Deployed live on Netlify: <https://quizhackers.netlify.app/>

Publications

- ❖ Sneha Balu Shirke, Prof. B.B. Deshmukh.

AI-Driven Plant Disease Diagnosis: A Deep Learning Approach to Precision Agriculture IRE Journals, Volume 8, Issue 11, May 2025, ISSN: 2456-8880.

- ❖ Sneha Shirke, Prof. B.B. Deshmukh.

Review Paper: AI-Driven Plant Disease Diagnosis – A Deep Learning Approach in Precision Agriculture IRE Journals, Volume 2, Issue 9, March 2019, ISSN: 2456-8880.

Languages

Marathi: - First Language

Hindi: - Advanced

English: - Advanced