

Sachin Shirsat

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SUMMARY

Versatile and results-driven Senior Software Engineer with 13+ years of experience in full-cycle web application development, specializing in ReactJS, frontend technologies, Map APIs with Leaflet, and API integrations. Adept at delivering responsive, user-focused applications with expertise in performance tuning and seamless API integration. Proficient in translating business needs into functional, scalable solutions, while adhering to modern design and accessibility standards.

Collaborative and results-driven professional with a strong record in team mentorship, Agile sprint management (JIRA), and cross-functional communication. Known for delivering quality solutions through UI/UX excellence and innovative use of AI tools.

SKILLS

- Frontend: ReactJS, JavaScript, HTML5, CSS3, Three.js, Bootstrap
- Backend: REST API Integration, Map APIs with Leaflet
- Platforms: Windows, Ubuntu 22.04 LTS, OpenEdX, Wordpress
- QA: Testcase Design, Bug Tracking, Functionality Testing, UI Testing, Mobile Apps Testing, Web Portal Testing
- Tools: VS code, Cursor AI, Figma, Trello, Jira, Teams, Git, Postman, Docker, AI-driven software
- Soft Skills: Agile Methodology, Self-Motivated, Team Player, Research Oriented, Quick Learner

EXPERIENCE

Project Software Engineer | IIT Bombay, Mumbai | Apr 2023 – Present

Project Name: Indian Culture Portal, National Virtual Library of India (NVLI), Ministry of Culture

- Leading development of the Indian Culture 2.0 Portal using ReactJS, REST APIs, and modern frontend stacks.
- Implemented PWA features, responsive layouts, and integrated backend APIs to enhance user engagement.
- Implemented reusable code structures, resulting in a 40–50% reduction in development workload.
- Collaborated with design teams on Figma to improve user experience and accessibility across devices.
- Created content-driven components and conducted QA for web and mobile testing.

Jr. Software Engineer | IIT Bombay, Mumbai | Nov 2019 – Mar 2023

Project Name: Indian Culture Portal, National Virtual Library of India (NVLI), Ministry of Culture

- Built and maintained dynamic, responsive interfaces for the Indian Culture portals.
- Managed content migration, legacy code refactoring, and ensured cross-browser functionality.
- Wrote extensive test cases for Android/iOS/web platforms to ensure consistent user experience.

Jr. Software Engineer | IIT Bombay, Mumbai | Jan 2015 – Oct 2019

Project Name: IITBX, IIMBx & AfghanX MooCs e-learning Platforms, MHRD Ministry

- Managed OpenEdX CMS & LMS platforms including course content deployment.
- Developed reusable components using frontend stacks, improved web documentation using Sphinx.
- Performed quality assurance across platforms and supported platform-wide upgrades.
- Represented IIT Bombay at Kerala, Delhi and Pune for an edX conference, contributing insights into online learning innovations.
- Mentored interns during summer internships to enhance their understanding of product development and strategic thinking.

Technical Assistant | IIT Bombay, Mumbai | Jan 2012 – Dec 2014

Project Name: NCERT eBooks for Smart Devices, Aakash Tablet, MHRD Ministry

- Created interactive eBooks in .epub format using frontend stacks, Sigil and Adobe Photoshop.
- Designed digital learning material for Grades 1–12 in collaboration with NCERT academic experts.

Project Assistant | IIT Bombay, Mumbai | Oct 2010 – Dec 2011

Project Name: ek-Shiksha Education, MHRD Ministry

- Developed the ek-Shiksha portal using Adobe Flex, Core Java, and frontend stacks.
- Contributed to planning, testing, and deployment of education-focused platforms

EDUCATION

- MBA-IT (4th Sem, Pursuing) – D.Y. Patil University, Pune – 2023
- BCA – Bachelor of Computer Applications – 65.65% – Tilak Maharashtra University, Pune – 2010

CERTIFICATION

- Prompt Engineering, I.I.T Bombay, 2024.
- AI Dashboards using Microsoft Power BI, Skill Nation, 2024.