

Swapnil Sanap

swapnilsanap7@gmail.com | +91-7222939870 | <https://www.linkedin.com/in/swapnilsanap7/>

PROFILE

Front-End and Mobile Developer specializing in React.js, Next.js, and React Native. Skilled at creating responsive, accessible, and high-performance applications with a focus on intuitive user experience. Experienced with REST API integration, state management, and performance optimization in Agile workflows.

EDUCATION

University of Illinois at Springfield (UIS) | Springfield, Illinois, USA

Master of Science in Computer Science

(Completed all required coursework toward M.S. in Computer Science)

Aug 2022 – May 2024

Prestige Institute of Engineering Management and Research (PIEMR) | Indore, India

Bachelor of Science in Computer Science (RGPV Affiliated)

Jul 2018 – Jun 2022

SKILLS

Front-End: React.js, React Native, JavaScript (ES6+), HTML5, CSS3, Responsive UI, Accessibility (WCAG 2.2)

Back-End: Node.js, Express.js, RESTful APIs

Databases: PostgreSQL, MySQL

Testing: Jest, Selenium

Dev Tools: Git, GitHub, CI/CD (basic), Staging Environments

Analytics & Performance: Google Analytics, SEO Optimization

AI/ML Basics: Python, TensorFlow, OpenCV, Scikit-learn, Pandas, NumPy

PROFESSIONAL EXPERIENCE

University of Illinois at Springfield | Springfield, Illinois

Junior Web Specialist Intern (Web Development)

Jul 2023 – May 2024

- Designed and implemented interactive front-end components using React.js, improving accessibility and mobile responsiveness across university sites.
- Developed custom modules and backend logic using Node.js and Express, streamlining admin tasks like content publishing and data sync.
- Enhanced the UIS Mobile App using React Native reduced load times and resolved cross-platform layout issues.
- Integrated multiple REST APIs to dynamically fetch content, resulting in a 20% increase in data availability and performance.
- Collaborated with QA to implement Selenium and Jest test scripts, which cut down post-deployment bugs by 30%.
- Tuned Drupal's backend while retaining minimal CMS responsibilities, improved performance configurations, and managed production rollouts via staging environments.
- Leveraged Google Analytics and SEO tools to increase content visibility and tracked engagement growth over three months.
- Ensured full WCAG 2.2 compliance, especially around forms, navigation, and contrast standards.

PROJECTS

SentinelVision – Real-Time Face Recognition System

Feb 2025 – May 2025

- Designed a React.js dashboard to display live recognition results from a computer vision backend.
- Integrated real-time video feed components with status indicators and confidence metrics.
- Arranged modular panels for logs, alerts, and identity history to support future scalability.
- Enhanced rendering efficiency to maintain stable frame rates during live streaming.

SplitExpense – Web & Mobile Expense Sharing App

Jun 2024 – Aug 2024

- Developed a cross-platform interface with React.js and React Native, enabling streamlined expense tracking on web and mobile.
- Built interactive forms and category filters using Redux for efficient state management.
- Visualized spending data through dynamic charts for clear financial insights.
- Designed PostgreSQL schemas to store and query expense records efficiently.

Smart-Restaurant Project

Sep 2024 – Jan 2025

- Engineered a Next.js (App Router) interface styled with Tailwind CSS to deliver an intuitive, mobile-first ordering experience.
- Orchestrated Socket.io integration for instantaneous order status changes and live menu updates.
- Secured multi-role access through JWT-based authentication with role-specific dashboards.
- Planned MongoDB collections and PostgreSQL schemas for menu and order data persistence.

CERTIFICATIONS

- DevOps (PagerDuty)
- Apple Search Ads