Sai Surya Karthik Pithani

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SUMMARY

UI/UX Developer with 3 years of experience building responsive, accessible, and scalable web interfaces using React, TypeScript, and Material UI. Skilled in API integration, design system implementation, and cross-functional collaboration across both product teams and enterprise client projects. Adept at translating designs from Figma and Zeplin into polished UIs, improving performance, consistency, and user experience in Agile environments.

SKILLS

Frontend Development: HTML5, CSS3, JavaScript, TypeScript, React.js, Redux Toolkit, Tailwind CSS, Vite, Firebase, Material UI
UI/UX Design: UI Designing, Design Systems, Wireframing, Prototyping, Visual Design, Storyboarding, Accessibility (WCAG)
UX Research: UX Researcher, Usability Testing, User Interviews, Personas, Journey Mapping
Design Tools: Figma, Adobe XD, Sketch, Miro, Zeplin
Cloud & Databases: SQL, MongoDB, AWS (EC2, S3, Lambda)
Testing & Quality: Jest, React Testing Library, Chrome DevTools
Workflow & Tools: Git, GitHub, VS Code, Agile/Scrum, Jira, CI/CD (basic)
Soft Skills: Decision Making, Problem Solving, Stakeholder Communication, Collaboration, Attention to Detail

PROFESSIONAL EXPERIENCE

UI/UX Designer, California State University, San Bernardino   Jan 2024 – May 2024 | USA
- Designed and prototyped an Android-based educational math game that included 6 levels and 18 mini-challenges, using user-centered design principles to enhance engagement and comprehension for students aged 7–10.
- Conducted usability testing with over 25 students from 3 different grade levels, collecting 100+ pieces of feedback to refine interface layout, interaction design, and navigation paths.
- Developed 30+ custom UI components and 10 unique character illustrations using Adobe Firefly and Sketchbook, resulting in a visually consistent and age-appropriate user interface.
- Integrated a point-based gamification system with 5 achievement tiers and added parental control features with 3 secure access modes, increasing user retention during testing sessions by 15+ minutes per user.

UI/UX Developer, Tech Mahindra   May 2021 – Jul 2023 | India
- Created and maintained reusable UI components using Material UI and TypeScript, contributing to a centralized design system that improved UI consistency and reduced redundant frontend work by approximately 30% across client projects.
- Translated wireframes and style guides from Figma and Zeplin into clean, accessible interfaces that followed brand and accessibility guidelines, improving consistency across modules.
- Redesigned over 15 legacy pages into fully responsive layouts, improving mobile usability and contributing to a 35% drop in layout-related client feedback during UAT cycles.
- Worked with backend teams and DBAs to review SQL queries and validate PL/SQL procedures, which improved dashboard load times by around 25%, especially in data-heavy reporting views.
- Supported UI validation efforts during platform migration projects by comparing outputs between old and new systems, which helped identify key inconsistencies before go-live and minimized post-deployment rework.
- Integrated frontend components with more than 30 RESTful APIs and collaborated with QA teams during testing phases to resolve UI-level issues, helping reduce bug reopens and ensuring smoother client demos.
- Actively contributed across 30+ Agile sprints, using Git, GitHub, and Jira to manage tasks and participate in code reviews, supporting steady progress and on-time feature delivery.

EDUCATION

Master of Science in Computer Science- GPA: 3.8/4.0
California State University, San Bernardino, CA   Aug 2023 - May 2025
Relevant Coursework: AI, ML, Software Engineering, Algorithms, Operating Systems, Data Structures
Bachelor of Engineering in Computer Science and Engineering
Sathyabama Institute of Science & Technology, Tamil Nadu   Jun 2016 - May 2020

CERTIFICATIONS

Google UX Design Certificate (Professional)   Dec 2024- Apr 2025

PROJECTS

Oishii Mobile App | UX Research & Design for Restaurant Reservations
- Completed end-to-end UX process including stakeholder interviews, journey mapping, wireframes, and hi-fi prototypes to validate design hypotheses and improve user flow.
- Designed accessible booking interfaces, visual menus, and intuitive navigation components that enhanced decision-making and improved accessibility for mobile-first users.
- Conducted usability testing sessions and implemented iterative design refinements, reducing average task completion time by over 30%.

SmartFlix: AI-Powered Movie Recommender with Netflix-Inspired UI
- Built a responsive React + Redux frontend that delivers AI-personalized movie recommendations via OpenAI's GPT API, mimicking Netflix's user interaction patterns.
- Integrated Firebase Authentication and TMDB API to enable secure logins and dynamic content rendering based on user preferences and watch history.
- Designed modular UI components to ensure scalability and consistency across views, streamlining future feature integration and performance optimization.