

Sai Surya Karthik Pithani

Los Angeles metropolitan area, CA | Open to Relocation

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PROFESSIONAL SUMMARY

Frontend Developer with UX Expertise skilled in building responsive web apps with React, JavaScript, and UI frameworks. Experienced in UX research, wireframing, and deploying full-stack solutions on AWS. Passionate about crafting user-centered products that balance form and function.

EDUCATION

California State University, San Bernardino

Master of Science in Computer Science

May 2025

GPA: 3.8/4.0

Relevant Coursework: AI, ML, Software Engineering, Algorithms, Operating Systems, Data Structures

Google UX Design Certificate (Professional)

April 2025

Sathyabama Institute of Science & Technology

May 2020

Bachelor of Engineering in Computer Science and Engineering

TECHNICAL SKILLS

Languages & Web: Python, C, HTML, CSS, Tailwind CSS, JavaScript, React, Vite

Frameworks & Tools: Redux Toolkit, Firebase, VS Code, Git, GitHub, Unity

Data & Cloud: SQL, MongoDB, SQLite, AWS (EC2, S3, IAM, ECS, Lambda)

UX Design: Figma, Adobe Firefly, Miro, Pacdora, Storyboarding, Wireframing, Visual Design

UX Research: Usability Testing, Affinity Mapping, User Interviews, Personas, Journey Mapping

PROFESSIONAL EXPERIENCE

Game UI/UX Designer | California State University, San Bernardino

Jan 2024 – May 2024

- Designed and prototyped an educational Android math game using user-centered design principles
- Usability testing was conducted with student groups to refine accessibility and participation
- Created custom UI assets and characters using Adobe Firefly and Sketchbook
- Integrated gamified reward systems and parental controls to improve learning outcomes

PL/SQL Developer | Tech Mahindra, India

May 2021 – July 2023

- Developed efficient PL/SQL procedures and triggers, improving database performance by 40%
- Conducted data migrations and ensured accuracy during conversions between systems
- Achieved a 95% defect resolution rate by fixing performance issues and improving reliability
- Collaborated with developers, DBAs, and project stakeholders for seamless database operations

PROJECTS

SmartFlix: AI-Powered Movie Recommender with Netflix-Inspired User Interface

GitHub

- Built a React + Redux app that offers personalized movie recommendations using OpenAI's GPT API
- Integrated Firebase Authentication and TMDB API for secure user login and dynamic content delivery
- Built responsive layouts with modular components to ensure scalability and ease of future feature integration

Oishii Mobile App | UX Research & Design for Restaurant Reservations

- Completed end-to-end UX process: interviews, journey maps, wireframes, and hi-fi prototypes
- Designed accessible booking flow, visual menus, and intuitive navigation to aid user decision-making
- Conducted usability testing and design iterations that improved task completion time

ZunoTube | YouTube-Style Video Streaming App

GitHub

- Developed a responsive UI with sidebar navigation, route transitions, and YouTube-style layout
- Fetches trending videos and search results dynamically using the YouTube Data API
- Implemented interactive watch page with recommended content and adaptive layout for all devices

AWS Cloud Computing Projects

- Set up ELB and EC2 Auto Scaling for scalable app hosting.
- Deployed Dockerized ML API on AWS EKS with Kubernetes orchestration.