

Sai Surya Karthik Pithani

San Bernardino, CA | Open to Relocation

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EDUCATION

California State University, San Bernardino

May 2025

Master's degree in Computer Science

CGPA: 3.75/4.0

Relevant Coursework: Algorithms, Data Structures, Artificial Intelligence, Machine Learning, Software Engineering, Operating Systems

Google UX Design (Professional Certificate)

April 2025

Sathyabama Institute of Science & Technology

May 2020

Bachelor's degree in Computer Science and Engineering

TECHNICAL SKILLS

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

UX Design: Storyboarding, Sketching, Wireframes, Wireflows, User Interface, Prototyping, Visual Design

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

Tools: VS Code, Jira, Git, GitHub, Figma, Miro, Adobe Firefly, Pacdora

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

PROFESSIONAL EXPERIENCE

Game UI/UX Designer | CSUSB (Academic Project)

Jan 2024 – May 2024

- Designed and prototyped an educational math game for Android by using user-centered principles.
- Conducted user research and usability testing to improve engagement and accessibility for young learners.
- Created original characters and UI assets using Adobe Firefly and Sketchbook to boost visual appeal.
- Integrated reward systems and parental controls to personalize gameplay and motivate continued learning.

PL/SQL Developer | Tech Mahindra, India

May 2021 – July 2023

- Developed optimized PL/SQL packages and triggers, reducing database processing time by 40%
- Managed data migrations and conversions using PL/SQL scripts, ensuring data integrity across systems
- Resolved database defects and performance issues, achieving a 95% defect resolution rate
- Worked closely with cross-functional teams, including developers, DBAs, and stakeholders, to ensure seamless database operations

PROJECTS

Netflix-GPT: AI-Powered Movie & Show Recommendations

GitHub

- Built a React + Redux-based app offering GPT-based personalized content recommendations
- Integrated OpenAI API and Firebase Auth for NLP-driven suggestions and data persistence
- Fetches real-time movie data from TMDB API using secured token, enhancing dynamic content display features
- Enhanced search functionality with GPT-based natural language processing (NLP) for personalized suggestions
- Utilized efficient API handling and asynchronous operations to improve app performance and user experience

Oishii Mobile App – UX Research & Design for a Japanese Restaurant Table Reservation Platform

- Designed booking app with full UX cycle: user research, wireframes, hi-fi prototypes, and usability testing
- Conducted interviews and journey mapping to uncover key user pain points and booking challenges
- Applied design sprint methods like Crazy Eights to ideate inclusive and intuitive interface solutions
- Created image-rich menus and clear navigation to support food discovery and visual-first decision making
- Added accessible features like easy-to-read fonts and filters to make the app user-friendly for everyone

Cloud Computing Application | AWS Cloud Service Hands-on Projects

- Configured AWS ELB and EC2 Auto Scaling to ensure availability and scalability for a web application
- Deployed ML API using Docker on AWS EKS with Kubernetes, efficiently managing cloud-based services

Responsive Recipe Search Website

GitHub

- Designed a responsive recipe search website using React, Vite, and Tailwind CSS
- Implemented interactive video modals with YouTube integration for recipe tutorials
- Used React Hooks and custom ESLint rules for maintainable, high-quality code