

SMIT SANTOSH SHEWALE

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EDUCATION

University of Southern California (USC)

Master of Science in Computer Science

Los Angeles, CA

Aug 2022-May 2024

Relevant Coursework: Analysis of Algorithms, Machine Learning for Data Science, Database Systems, Mobile Devices and Game Consoles, Multimedia Systems Design, Information Retrieval

SKILLS

Programming Languages: Python, C, C#, Java, HTML5, CSS3, JavaScript, SQL

Frameworks/Libraries: Flutter, Node.js, React, Bootstrap, Tailwind, Express JS, jQuery, NumPy, REST API, Git, AWS

Platforms: Unity, VS Code, Jupyter, Firebase Firestore, MongoDB, Figma, Adobe Creative Suite, Microsoft Office, WordPress

EXPERIENCE

UI Developer Intern – Dolphin Solutions Inc

Sep 2024-Current

- Implemented advanced state management systems using Redux and Vuex, enabling seamless data flow
- Integrated APIs with robust error handling and UI rendering, ensuring a smooth user experience even under heavy traffic
- Worked in Agile Scrum teams, contributing to sprint planning, daily stand-ups, and retrospectives while delivering features on time in fast paced sprints

UX Research Assistant – Adaptive Computing Experiences Lab USC

May 2024-Aug 2024

- Conducted in-depth research on software developers' interactions with Large Language Models (LLMs) like ChatGPT, Claude, and GitHub Copilot, analyzing cognitive biases and behavioral patterns in coding workflows
- Synthesized qualitative data from interviews and recorded coding sessions, delivering actionable insights to improve the usability and effectiveness of LLMs in software development workflows
- Developed research-based recommendations for improving LLM-assisted coding experiences, focusing on reducing friction, optimizing prompt engineering strategies, and enhancing developer trust in AI-generated suggestions

Web Designer and Developer – Engineering in Society Program USC

Jan 2024-May 2024

- Led the redevelopment of an education platform using WordPress, HTML, CSS, JavaScript, modernizing outdated systems to align with modern UX principles and accessibility standards
- Integrated dynamic media content and plugins, boosting user retention by 25% through engaging UI elements
- Applied cross-browser testing and mobile responsiveness best practices for seamless experience across all user devices

Front End Engineer Intern – Tvishtryon Solutions Pvt. Ltd.

Oct 2021–Jan 2022

- Developed key UI modules for a trading platform, retail app, and expense tracker using React, and Figma-based workflows
- Translated design mockups into responsive interfaces, achieving 100% mobile and tablet compatibility
- Conducted usability testing and A/B experimentation with cross-functional teams, contributing to a 15% increase in task success rates across the app

Software Developer Intern – Study Circle

Jan 2020–Apr 2020

- Designed and developed a personalized database system using Python and SQL
- Revamped company websites leveraging Django framework, while integrating APIs to provide dynamic user experiences
- Contributed to the design and delivery of a Student Database Management System for “Smart Consultant Pvt. Ltd”

PROJECTS

Dora AI Image Generation App (Demo)

- Designed and deployed a full-stack image generation web app leveraging OpenAI's DALL·E API, capable of producing both standard and HD AI-generated images
- Built the front end using React and Tailwind CSS, featuring real-time previews, and input validation
- Implemented a backend server using Node.js and Express, with MongoDB as a scalable NoSQL database for storing image history and user data

Little Timmy's Spooky Mansion Game (Demo)

- Collaborated with a 7-member development team to create a 3D stealth/puzzle game with rich interactive environments and scripted AI enemy behavior in Unity
- Designed and programmed key gameplay mechanics in C#, including stealth movement, AI patrol logic, trap mechanism, lighting effects, and object interactions
- Optimized rendering performance through improved lighting and draw call batching, achieving a 25% increase in frame rates

Rotaract (NGO) And You Mobile Application

- Spearheaded conception and deployment of an event management mobile app to automate the NGO's everyday operations
- Conducted UX research, inquiries, interviews, and tests, among club members to design UI in Figma
- Developed the app using Flutter and Firebase Firestore for light and seamless NoSQL database management
- Designed a centralized data warehouse, providing convenience for data management, tracking, and streamlined report generation for annual audits

LEADERSHIP AND INVOLVEMENT

Creatives Director - Rotaract Club Of Thane North End (Non-profit organization)

Jul 2020–Jun 2021

- Nominated for 'Best Creatives Director' award for impactful leadership and innovative content strategy
- Collaborated with Arana Foundation for a fundraising campaign, to support the education of 25+ underprivileged children
- Directed a design team of 5 to curate appealing digital content, marketing ideas and handled social media accounts