SMIT SANTOSH SHEWALE

Los Angeles, CA | (213) 275-9123 | sshewale@usc.edu | GitHub | Behance | LinkedIn | Portfolio

EDUCATION

University of Southern California (USC)   Los Angeles, CA
Master of Science in Computer Science   Aug 2022-Present
Relevant Coursework: Analysis of Algorithms, Machine Learning for Data Science, Database Systems, Mobile Devices, and Game Consoles, Multimedia Systems Design, Information Retrieval

University of Mumbai   India
Bachelor of Engineering in Computer Engineering   Aug 2018-Aug 2022
Relevant Coursework: Data Structures, Object Oriented Programming, Distributed Computing, Artificial Intelligence and Soft Computing, Data Warehouse and Mining, Big Data Analytics, Mobile and Web Development, Cloud Computing Lab

SKILLS

Programming Languages: Python, C, C#, Java, HTML5, CSS3, JavaScript, SQL
Frameworks/Libraries: Flutter, Node.js, React, Bootstrap, Tailwind, Express JS, jQuery, Pandas, NumPy, REST API
Platforms: Unity, VS Code, Jupyter, Firebase Firestore, MongoDB, Figma, Adobe Creative Suite, Microsoft Office, WordPress

EXPERIENCE

Web Designer and Developer – Engineering in Society Program USC   Los Angeles, Jan 2024-Present
- Lead ongoing efforts to create and revamp Engineering in Society's program and research lab websites, implementing modern design principles and utilizing WordPress and React for dynamic changes
- Design and produce compelling media content, including images and videos, optimized for effective web display
- *Technologies – WordPress, ReactJS, HTML, CSS, JavaScript*

Front End Engineer Intern – Tvishtryon Solutions Pvt. Ltd.   India, Oct 2021–Jan 2022
- Designed UI/UX for diverse projects: trading website, clothing retail app/website, and AI expense tracker app using Figma
- Translated tested designs into responsive websites in HTML, CSS, and JavaScript
- Worked with the marketing team to gather user feedback, conduct usability testing, and refine designs iteratively
- *Technologies – WordPress, HTML, CSS, JavaScript*

Software Developer Intern – Study Circle   India, Jan 2020–Apr 2020
- Built and operated 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"
- *Technologies – Django, Python, HTML, CSS*

PROJECTS

Dora AI Image Generation App (Demo)
- Deployed a full-stack AI image generation app with DALL-E API to produce standard and advanced, high-quality images
- Designed and created the Front-end utilizing React and Tailwind, while leveraging Express and NodeJS for Back-end(server)
- Utilized MongoDB for efficient NOSQL database management, enabling seamless storage and retrieval of generated images while ensuring scalability and optimal user experience

Little Timmy's Spooky Mansion Game (Demo)
- Collaborated with a team of 7 game developers to design and develop a 3D stealth game in Unity engine
- Introduced game mechanics and features, such as environmental traps, physics, scripted AI behaviors, and lighting using C#
- Optimized game performance by reducing draw calls, improving rendering techniques

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 Firestore Firebase 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

Skateboard Retail Website (Demo)
- Created a website of an ecommerce-ready skateboard retail website using ReactJS and Tailwind
- Implemented dynamic content, an interactive filter section, and employed Tailwind CSS for an online shopping journey

Object Detection (GitHub)
- Developed a Java object detection algorithm utilizing HSV histogram matching to identify and segment objects in images
- Automated image processing for background subtraction and color-based clustering to isolate objects in varied scenes that involved multiple target objects and visualized detected results with annotated bounding boxes and labels

LEADERSHIP AND INVOLVEMENT

Creatives Director - Rotaract Club Of Thane North End (Non-profit organization)   India, Jul 2020–Jun 2021
- Nominated for 'Best Creatives Director' Award for 2020
- Directed a design team of to curate appealing digital content, marketing ideas and handled social media accounts
- Partnered with "Arana Foundation" to raise funds to support education for children born in low-income families