

## SMIT SANTOSH SHEWALE

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### EDUCATION

#### University of Southern California, Viterbi School of Engineering Master of Science in Computer Science

Los Angeles, CA  
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, Datta Meghe College of Engineering Bachelor of Engineering in Computer Engineering

India  
Aug 2018-Aug 2022

Relevant Coursework: Data Structures, Mobile and Web Development, Machine Learning, Analysis of Algorithms

### EXPERIENCE

#### Tvishtryon Solutions Pvt. Ltd.

Oct 2021-Jan 2022

##### UI/UX Intern

- Crafted UI/UX for diverse projects: trading website, clothing retail app/website, and AI expense tracker app
- Transformed the user interface of established mobile applications, incorporating innovative features like augmented reality
- Developed and edited an infomercial as a persuasive pitch to present to stakeholders

#### Study Circle

Jan 2020-Apr 2020

##### Software Developer Intern

- Built and operated a personalized database system using Python and SQL
- Revamped company websites using Django and integrated APIs for Google Maps and Weather
- Worked in a team to design and deliver a Student Database Management System for "Smart Consultant Pvt. Ltd"

### SKILLS

**Programming Languages:** Python, C, C#, Java, Dart, HTML, CSS, Tailwind CSS, JavaScript, MySQL

**Frameworks/Libraries:** Flutter, Node.js, React, Framer-motion, Tkinter, Scikit-learn, Pandas, NumPy, Stylex

**Platforms:** Unity, VS Code, Android Studio, Jupyter, Firebase Firestore, Figma, Adobe Creative Suite, Microsoft Office

### PROJECTS

#### Skateboard Retail Website

Nov 2023

- Developed the front-end of an ecommerce-ready skateboard retail website using React, React Hooks, and React Router DOM, ensuring a seamless and dynamic user experience
- Implemented dynamic content, an interactive filter section, and employed Tailwind CSS for an online shopping journey

#### Object Detection

Oct 2023

- Developed a Java object detection algorithm using 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

#### Little Timmy's Spooky Mansion Game

Apr 2023

- Collaborated with a team of 7 game developers to design and develop a stealth game in Unity engine
- Introduced game mechanics and features, such as environmental traps, physics, AI NPCs, and lighting using C#
- Optimized game performance by reducing draw calls, improving rendering techniques

#### Rotaract And You Mobile Application

May 2022

- Created and launched an event management app utilizing Figma, Flutter, and Firebase Firestore to automate club's operations
- Designed a centralized data warehouse, providing convenience for data management, tracking, and streamlined report generation for annual audits

#### Restaurant Management System

Apr 2019

- Leveraged Java and SQL to architect and implement a dynamic, real-time restaurant point-of-sale (POS) system
- Mapped out GUI in NetBeans and applied Scheduling algorithm and Priority Queue for reservations
- Provided a Database Management System to retrieve and manage essential records for sales analytics

### LEADERSHIP AND INVOLVEMENT

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

Jul 2020-Jun 2021

##### Creatives Director

- Directed a team of 5 members to handle digital media to generate appealing digital content and handled social media accounts
- Nominated for 'Best Creatives Director' Award
- Partnered with "Arana Foundation" to raise funds to support education for children born in low-income families
- Organized food donations, blood donation drives, and virtual events for mental health awareness