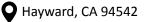
NITISH UTTAMRAO THORAT











EDUCATION

 Master of Science - Computer Science California State University - East Bay, CGPA: 4.0/4.0 August 2023 - May 2025

Bachelor of Engineering - Computer Engineering Sinhaad Institute of Technology and Science - SPPU, CGPA: 8.82/10.0 August 2017 - May 2021

WORK EXPERIENCE

Software Engineer

May 2021 - July 2023

Persistent Systems Ltd. - Pune, India

Medical Analytics Curation Portal

- Upgraded Angular and PrimeNG versions from v8 to v12 incrementally, covering 50 components and 30 packages.
- Collaborated with the QA team to conduct five rounds of end-to-end testing to resolve any bugs during the upgrade.
- o Designed a comprehensive, dynamic Angular Reactive Forms interface with multiple custom validators, tailored to specified requirements.
- Integrated a multiple images attachment feature for the chat environment using the Quill Editor library.

Quality Control Metrics Portal

- Collaborated with the UI/UX Designer to create the portal from scratch as the lead frontend developer.
- Developed a user tagging feature for comments with Quill Editor library, enabling the tagging of multiple stakeholders.
- o Designed versatile, reusable components to enhance code quality and maintainability within the application.

Seat Booking Portal

- Implemented a visual seat selection feature for employees to choose seats by clicking on the seat in the floor plan.
- Created a Push.js notification feature to alert users about booking confirmations, reminders, and cancellations.
- Authored unit test cases using the Jasmine library to ensure the proper performance, achieving 100% success.

Car Insurance Portal

- Introduced a multi-step reactive form with validations for users to fill in their personal and damaged car details using the Stepper component from Angular Material.
- o Built a drag-and-drop feature for users to upload the image of their damaged car and integrated it with an API that reads the registration number from the image.

PROJECTS

OmniMeds(E-commerce medicine website with prescription verification)

- Established an e-commerce platform linking patients and doctors, enabling secure sharing of verified digital prescriptions.
- Developed a prescription creator and parser using Python modules like docx2pdf for development of prescription and the rsa module for the digital verification.
- Deployed this website on AWS creating a VPC using the EC2, RDS and S3 services.
- o This project is mentioned in the IEEE 2021 International Conference on Artificial Intelligence and Machine Vision (AIMV).

Connectify(A Real Time Web Chat Application) - Full Stack:

- Developed an online chat application using React, Node.js, and Chakra UI, supporting both individual and group chats.
- o Implemented real-time communication with WebSocket protocol via Socket.io for enhanced performance and responsiveness.
- Designed a responsive website with dark and light themes, incorporating features such as email confirmation.

ShopSphere(E-Commerce Website with Multiple Categories) - Full Stack:

- Architected a full-stack e-commerce website using Django, React, and Redux, creating 15 RESTful APIs and over 30 React components to enhance modularity and maintainability.
- Engineered RESTful APIs with Django to improve data exchange, resulting in a 30% improvement in data retrieval speed.
- Devised a product management system, reducing management time by 25%.

TECHNICAL SKILLS

- Frameworks/Libraries/Dev Skills: Angular, React, NextJS, Django, Pyramid, Flask
- **Certifications:** Microsoft Technology Associate in Python
- Languages: C, C++, Python, HTML, CSS, JavaScript, TypeScript, PHP, Node.js
- Database Management Systems: MySQL, MongoDB, Postgres
- **Operating Systems:** UNIX, Linux, Windows
- Version Control Tools: Git, GitHub, GitLab, Bitbucket