

Pankita Tibrewala

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EDUCATION

University of California, San Diego

September 2019 – June 2023

Bachelor of Science in Computer Science and Mathematics, Minor in Interaction Design

GPA 3.67

Relevant Coursework: Advanced Data Structures, Design & Analysis of Algorithm, Operating Systems, Computer Networks, Software Engineering, Interaction Design, UX/Product Design, UX Prototyping, HCI Design Studio

SKILLS

Java, RESTful API, JUnit, GitHub, MySQL, HTML, CSS, JavaScript, ReactJS, Angular, Bootstrap, Kafka, AWS EC2 and S3, C++, Python, MATLAB, LaTeX, Figma, Photoshop

PROFESSIONAL EXPERIENCE

Graphen | UI/UX Designer

August 2024 - Present

- Conducted user research and usability testing to identify and address key user needs, leading to a 23% increase in customer satisfaction.
- Designed and iterated product interfaces with Figma and Sketch, improving user experience through dynamic interactions and animations, resulting in a 35% increase in customer engagement.

Cogent InfoTech | Full Stack Java Developer

July 2023 - August 2024

- Engaged in software development lifecycle of an online banking system's managing customer accounts and transactions
- Enhanced REST APIs using the Spring framework, ensuring seamless customer experiences with JWT-based authorization for improved security compliance.
- Developed a dynamic frontend with ReactJS, optimizing HTTP requests by 43% through efficient component rendering.
- Utilized Docker and Kubernetes for effective container management, enhancing system scalability, and employed continuous integration tools like GIT and Jenkins for version control and deployment automation.
- Achieved 85% code coverage through comprehensive unit and integration testing to validate system functionalities.

ZealStrat | Software Developer Intern | Figma, JQuery, PHP, JavaScript

June 2022 – September 2022

- Developed the user interface for ZealStrat's flagship publication, Sight-wise, creating detailed mockups and conducting usability tests to ensure a seamless experience and full brand compliance.
- Actively contributed to the development of the Sight-wise web platform. Employed JavaScript for dynamic front-end functionality, seamlessly integrating it with JQuery for enhanced interactivity.
- Innovated by implementing an automated system that seamlessly pushes new Sight-wise publications to ZealStrat's various social media accounts using the Oneall API enhancing the organization's online presence.

E3 Retail | UI/UX Intern | Figma, Adobe Illustrator, React Bootstrap

June 2021 – September 2021

- Designed E3's Point of Sale (POS) mobile application, tailored for use in retail environments. Collaborated closely with end users through multiple requirements gathering sessions to ensure the application met their specific needs.
- Built a robust inventory tracking front-end functionality within the application. This feature empowered retailers to efficiently monitor and manage their goods, enhancing inventory control and operational efficiency.

PROJECTS

Triton Smart Fitness | Figma, Inkscape

February – March 2023

- Lead a team of 5 students to prototype and model a user centered interactive gym kiosk with guided equipment instructions and interactive map of the gym.
- Conducted thorough market research and over 15 user interviews to garner requirements and created low fidelity followed by high fidelity wireframes using data points found in the research.
- Constructed a physical life size kiosk by laser engraving our Inkscape design on wood and placing an Ipad in the center for human computer interaction.

Zesty | HTML, React, Netify, Cypress

October 2021 – January 2022

- Developed a single-page web application for beginners and home cooks to search and save recipes, leveraging the Spoonacular API for data integration.
- Built and launched responsive desktop and mobile versions using React and Bootstrap, deployed on Netlify as static web content, with DOM local storage for saving and adding recipes.
- Achieved 80% test coverage through unit and integration tests, and performed end-to-end testing with Cypress.

RooMe | JavaScript, MongoDB, Express, Node.js, Angular.js, HTML, CSS

June 2020 – September 2020

- Designed a full stack roommate search web application for students using the MEAN stack.
- Implemented backend API using Express framework and integrated with MongoDB database to store user data. Designed and implemented frontend components for the website using Angular.js.

Fashion History | Python

March 2020 – May 2020

- Developed a Python GUI application that displays the fashion history through the decades and gives a comprehensive history of any article of clothing.