

Naysa Chopra

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EDUCATION

UNIVERSITY OF CALIFORNIA - SANTA CRUZ
B.S. in Technology Information Management | GPA: 3.7

Santa Cruz, CA
2021-Present

Relevant Coursework: Systems Analysis and Design, Data Structures and Algorithms, Computer Systems, Computer Networks, and Database Management Systems

EXPERIENCE

Quality Assurance/Front-End Intern
YUKKA LAB

Jun 2024 - Aug 2024
Berlin, Germany

- Developed a comprehensive design system for a website, ensuring consistency and scalability across the platform while gaining hands-on experience with Angular.
- Conducted rigorous product testing to evaluate AI capabilities, deepening my understanding of AI technologies and their practical applications.
- Actively participating in sprint meetings and deepened my understanding of project workflows but also enhanced my presentation skills

Web Developer
Tech4Good

Jun 2022 - May 2024
Santa Cruz, CA

- Translated Figma prototypes into interactive front-end Angular UI components using HTML, CSS, and TypeScript
- Contributed to the development of Annota, an innovative platform that leverages AI to enhance collaborative hands-on learning for qualitative analysis and social computing research.

PROJECTS

Peer-to-Peer Lending Platform | *Python, Agile, UML*

- Managed the project as Scrum Master, delivering on four key components: requirement identification, feasibility analysis, UML modeling, and agile development.
- Ensured smooth collaboration and iterative delivery for a peer-to-peer lending platform.

TCP Router | *Python, Networking, ICMP, TCP, UDP*

- Developed a software-defined router that managed network traffic using subnet-specific topology rules.
- Implemented logic for ICMP, TCP, and UDP forwarding between departments while blocking unauthorized traffic.
- Programmed in Python, adhering to strict network rules for routing without using flooding techniques.

Database Management System | *PostgreSQL, Python*

- Created a dental clinic database management system to handle patient, dentist, visit, and treatment records.
- Implemented Python functions for patient tracking, visit management, and reporting using complex queries and stored procedures.

2D Platformer "Collect Ores!" | *Python, Game Development*

- Developed core game mechanics with a custom physics system and managed sprite behavior for seamless interaction.
- Designed and composed original art and music, integrating external references with proper citations in the game description.

ADDITIONAL SKILLS

- **Languages:** Python, C, C++, TypeScript, HTML, CSS
- **Frameworks and Databases:** React, Angular, PostgreSQL
- **Technologies and Tools:** Git, Figma, Scrum, AI Testing, Agile Development, UML Modeling, TCP/IP Networking, Scratch