Naya Singhania

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EDUCATION

San José State University – *San José, California*   Aug 2023 – May 2027
- Bachelor's of Science in Computer Science (College of Science)
- Cumulative GPA: 3.76/4.00 | Honors: President's Scholar (Fall 2024), Dean's Scholar (Fall 2023)
- Relevant Coursework: Advanced Data Structures and Algorithms (Java), Object Oriented Programming (Java)

EXPERIENCE

Full Stack Engineering Intern – *Y Stem and Chess*   May 2024 – Aug 2024
- Migrated the frontend educational platform from Vue.js to **React.js** and integrated it with existing backend resources
- Increased speeds for our **100+** student users and increase efficiency and code readability within our ~10 person team
- Integrated websockets into a virtual chess board to allow users to play **low-latency** chess games and learn chess
- Collaborated with **multiple teams** to uphold coding standards and meet project deliverables

Full Stack Developer – *Software and Computer Engineering Society @ SJSU*   Sep 2024 – Present
- Collaborating with a team of **10** students to create a campus wide scheduling tool for the **36000** students at SJSU
- Leveraging **Next.js**, **PostgreSQL**, and **web scraping** to allow users to find professors based on databases of courses
- **Redesigning** the club website, representing our 2500+ members, to implement a user friendly design using React.js

Frontend Developer – *Association for Computing Machinery @ SJSU*   Sep 2024 – Present
- Developing the onboarding flow for our **1000+ members** to increase member engagement and opportunities
- **Collaborating** with designers and backend devs to implement the UX/UI on the website using **Figma** and **React.js**

PROJECTS

Access Finder – *Typescript, Next.js, PostgreSQL, Tailwind, Supabase, OpenStreetMap*   Jan 2025 – Present
- Engineering a web platform to help users with disabilities identify and rate accessible places and services
- Utilizing location data via the OpenStreetMap **API** to provide location data and enable search functionality
- Designing a **PostgreSQL** database and creating responsive, accessibility-focused user interfaces with Tailwind

Scrobble Quiz – *Typescript, Next.js, Generative AI APIs, ML Models, Tailwind, Music APIs,*   Jan 2025 – Present
- Analyzing user listening history across various time periods to generate tailored quiz questions
- Preprocessing and **clustering** music data using K-means to identify listening patterns and improve question relevance
- Generating dynamic quiz prompts with **Llama AI** models based on structured and processed user data

Persona.fm – *Typescript, Next.js, PostgreSQL, Generative AI APIs, Tailwind, Supabase, Drizzle*   June 2024 – Dec 2024
- Developed a web app that uses **generative AI** to provide Last.fm users with a persona of their listening habits
- Implemented a **PostgreSQL** database via Drizzle ORM and authentication via Last.fm's API
- Integrated the **Open AI API** and Last.fm's (music service) API to provide AI-generated music "personas" for a user
- Maintained the project as **open source**, keeping documentation up to date, and engaging with 10+ contributors

ChairSense – *Embedded C++, Arduino*   Sep 2021 – Dec 2021
- Researched **obstacle detection** devices for people in wheelchairs and found no affordable and simple solution
- Prototyped and **programmed** a small, low-cost device for wheelchairs that detects obstacles to prevent collisions

TECHNICAL SKILLS

Languages: Typescript, Javascript, Python, HTML, CSS, PostgreSQL, Java, Embedded C++
Frameworks/Libraries: Next.js, React.js, ML Models, Tailwind CSS, Generative AI APIs, 3rd Party APIs
Development Tools: Supabase, Figma, Drizzle