

# Kanan Shah

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## EDUCATION

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California State University, Sacramento  
Bachelor's in computer science

Jan 2021 – May 2025

## TECHNICAL SKILLS

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**Languages:** Java, Python, HTML, CSS, JavaScript, SQL

**Frameworks/ Libraries:** Spring Boot, Next.js, React

**Databases:** MySQL, Relational, PostgreSQL

**Software Tools:** Visual Studio, GitHub

## WORK EXPERIENCE

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**Software Engineer Fellow, Headstarter AI**

July 2024 - Present

- Built 5+ AI apps and APIs using Next.JS, OpenAI, Pinecone, Stripe API.
- Developed projects from design to deployment leading 1+ engineering fellows using MVC design patterns.
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, Git and microservice patterns.

**Software Developer Intern, California Department of Public Health (CDPH)**

Feb 2024 - Present

- Leverage Python scripting to automate data retrieval from the FDA's public recall databases, streamlining access to critical safety information.
- Developed a native iPad application utilizing the Open FDA API to facilitate efficient public database searches directly on the device and implemented object detection using YOLO V3.

**Digital Navigator Intern, CSUS**

Jan 2024 - May 2024

- Provided individualized assistance to community members in need of affordable home internet service, internet-capable devices, and digital skills training.
- Perform basic administrative duties including but not limited to organizing electronic and physical files, supporting tracking of elements for federal grant reporting.

## PROJECTS

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**Hardware Testing Application (Tech Stack: React, CSS, JavaScript, Chakra UI, Firebase Authentication )**

- Created Hardware Testing Application that aims to develop user friendly web interface on Vendia to streamline hardware testing information updates, replacing the inefficient Excel file system.
- The firebase authentication with user and admin roles. User can update tests for their organization, while admins have broader control. The interface will offer advanced search and a Progress/summary page for tracking testing progress.

**APP Development for CDPH Officers (Tech Stack: React Native, Expo, Python, JavaScript, Flask, SQL )**

- Developed an IOS application using React Native and Expo for CDPH officers so they can access the FDA public databases efficiently.
- Implemented key features such as user authentication, real-time data synchronization, object detection.
- Ensured a smooth user experience by optimizing performance and conducting thorough testing across various devices.

## OTHERS

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**Electronic Arts Software Engineering Job Simulation virtual experience program on Forage - November 2023**

Proposed a new feature for The Sims 4 and detailed it in a Feature Proposal for stakeholders, built a class diagram and created a C++ header file with class definitions, and patched a bugfix while optimizing the codebase with a better data structure.

**Certificate of Achievement – California Department of Public Health(CDPH) – May 2024**