

# PRIYANSH KETAN SHAH

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## Education

### University of California, Irvine

Bachelor of Science in Computer Science; GPA: 3.95; Dean's List

Irvine, CA

Expected May 2027

## Experience

### WeCracked

2024 - Ongoing

Fullstack Engineer

Remote

- Accomplished a 15% increase in website performance on mobile devices by optimizing the frontend of the main page using React and TypeScript, resulting in faster load times and improved user experience.
- Successfully managed a mailing list of over 5,000 users, leading to a 20% increase in user engagement by implementing targeted email campaigns.
- Resolved critical issues across all pages, reducing the number of reported bugs by 30%, and enhancing the overall stability of the web application.

### OneRoofTech

2023

Intern

Mumbai, India

- Contributed to the development of a page of ICICI bank's web application, focusing on refining user interactions and interface elements.
- Under the guidance of a mentor, enhanced a small, complex web page by applying JavaScript and jQuery, learning advanced techniques in HTML and CSS along the way.
- Gained practical experience in front-end development, deepening my understanding of web technologies and their application in a corporate environment.

### Headstarter AI Fellow

2024

Fellow

Remote

- Deployed 5 AI projects in 5 weeks using React JS, Next.js, and Vercel, with CI/CD practices and agile methodologies.
- Contributed to Supermemory AI, enhancing its codebase and documentation.
- Implemented a web-scraper for *RateMyProfessor* data, combined with Pinecone index, LangChain to enhance a RAG model using OpenAI GPT-4.

## Projects

### Nourish Ninja [🔗](#) | Flutter, Dart, Firebase, Google Health Connect

February 2024 - March 2024

- Developed a holistic nutrition tracking app, leveraging Flutter for a responsive frontend and Firebase for a scalable backend, aimed at improving dietary habits by providing personalized nutrition guidance.
- Integrated Google Health Connect and *Spoonacular API* to enhance functionality, enabling users to view health metrics alongside tailored recipe suggestions and nutrition tips.
- Implemented an OCR model to read receipts, used Spoonacular's image recognition for automatic calorie updates, and integrated Gemini for an interactive chatbot, boosting engagement with nutrition goals.

### DeeR (Deep Retention) [🔗](#) | Next.js, TypeScript, FastAPI, Python, HumeAI, Groq, STT, TTS, RAG

October 2024

- Won "Best Practice of TEN" award at Cal Hacks 11.0 among 1,500+ participants for developing an emotionally intelligent AI study companion that merges Behavioral Neuroscience and Computer Science
- Implemented real-time emotion detection using Hume AI and Deepgram for speech analysis, resulting in a system that can detect student distress and recommend appropriate breaks to optimize learning efficiency.
- Integrated the Feynman technique with AI technology, creating an interactive learning experience that improved concept retention through ChromaDB, Groq inference, and WebSocket communication.

### Marlin [🔗](#) | Chrome Extension, React, Vite, Typescript, Python, Tailwind, Mixtral, Kindo AI

September 2024

- Developed a Chrome extension leveraging AI to detect phishing attempts with a focus on maintaining user privacy.
- Integrated Mixtral AI and applied research-backed methods for both data scrubbing and model optimization, ensuring secure and accurate phishing detection.
- Secured 3rd place in the CyberSecurity track, competing against 92 teams at one of the largest Gen AI hackathons.

## Technical Skills

**Languages:** TypeScript, JavaScript, Rust, Java, Python, Dart, Git, C, C++, SQL

**Technologies:** Next.js, React, Svelte, Flutter, Github Actions, Express.js, Tailwind CSS, jQuery, Bootstrap 5, Bevy, Linux