

Harsh Rao

hurshrao@gmail.com | harshrao.xyz | linkedin.com/in/harsh-rao | github.com/hurshh

EDUCATION

Santa Clara University

Masters in Computer Science

Santa Clara, CA

August 2024 – Present

Indian Institute of Information Technology

Bachelors in Computer Science and Engineering

Surat, India

November 2020 – July 2024

EXPERIENCE

Creotosaurus

Software Developer Intern

January 2024 – July 2024

- Analyzed various open-source image generation model like Stable Diffusion, Craiyon and Invoke.
- Conducted data preprocessing, cleaning, and filtering for creating checkpoints for Stable Diffusion model.
- Deployed a Stable Diffusion model on SageMaker and created API endpoints using FastAPI.
- Prepared user flows, wireframes, prototypes, and design mockups to visualize and iterate on user interface designs of the mobile app.
- Integrated and tested API into prototype mobile app

JIO Infocomm

Software Developer Intern

April 2023 – July 2023

- Led migration from legacy JSP pages to React.
- Implemented RESTful APIs in Spring Boot.
- Reduced page load times by over 30% through efficient component-based architecture.
- Coordinated with cross-functional teams to ensure smooth deployment and integration of new technologies.

PROJECTS

Fitness app | TensorFlow, Polygon, Flutter and Postman.

June 2021 – August 2021

- Built a fitness app that leverages machine learning to suggest personalized workouts based on user data.
- Implemented Health Connect to get fitness data from users' data about active burned calories from Apple Health in IOS or Google Fit in Android.
- Implemented NFT rewards to incentivise the user to use the app for their fitness goals
- Created leader board, social sharing and messaging functionalities to share data and compete.

Health-E | Flutter, Firebase and WebRTC

January 2021 – February 2021

- Produced a Flutter app during COVID which served as a platform between doctors and patients.
- Designed the platform which manages appointments for doctors and tickets for patients along with functionalities like messaging and video-calling.
- Implemented video calling and ticketing functionalities for patients.
- Integrated API to get helpful resources and number of active COVID cases in user's surroundings.

Object Recognition App | TFlite, Flutter and photo picker

May 2022 – September 2022

- Developed a dynamic Flutter app which uses neural network to identify objects.
- Wrote a neural network model in Python using the TFlite library.
- Implemented photo picker to get live photos from camera or photos from gallery to the model.
- Created wireframes for the UI/UX of the app for a seamless experience.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, C#, Dart

Frameworks: React, Node.js, Flask, Flutter, Unity, Unreal, FastAPI

Developer Tools: Git, Docker, Amazon Web Services, FireBase, My Sql, Figma