Harsh Rao

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- **Bachelor of Technology, Computer Science | Indian Institute of Information Technology, Surat | CGPA: 8.97 December 2020 - Present**
- **Relevant Coursework**: Machine Learning, Object Oriented Programming, Computer Organization, Advanced Data Structure and Algorithms, Database Management Systems, Operating Systems, Software Engineering, Computer Networks.

SKILLS

- **Languages**: C • C++ • Java • Python • C# • Dart **Databases**: Postgres • MySQL
- **Tools/APIs/Libraries**: AWS • Elasticsearch • Git • Matlab • Matplotlib • Numpy • Pandas • Scilab • Scikit-learn • Tensorflow • Keras • Docker • Pytorch **App Technologies:** Flutter • React Native • Android **Web Technologies:** Flutter • React • RESTful services • HTML • CSS • Javascript • Angular • Ionic

TECHNICAL EXPERIENCE

- **SWOC**
  Software Developer Engineer   *12/2021 - 02/2022*
  - ➢ Contributed to an open source flutter book rental app by improving the pre-existing UI and fixing bugs in it and created mockups for the app .
  - ➢ Helped in creating an interactive UI for the app.
  - ➢ Assisted in refactoring of the code of the project.
- **ACM, SVNIT**
  EXECUTIVE   *08/2021 - 08/2022*
  - ➢ was placed at 6th rank in ACM inception 6.0 (competitive programming competition).
  - ➢ Took partin DotSlash and built a health tracking app which used optimized method for tracking footsteps and suggested workouts using Machine Learning and it was placed in top 50 in Dotslash hackathon
  - ➢ Helped in solving and making competitive programming questions.

PROJECTS

- **Fitness app (V-Fytt)**
  - Technologies used : Flutter, TensorFlow lite, AI, Blockchain, API.
  - built an app that aims to not only track your steps, calories burnt but also suggest some exercise routines and also give out an incentive for being in the top users.
  - integrated alan AI's voice assistant
  - created optimal way to track steps

- **Interactive platform for Doctors and Patients (Health-e)**
  - Created an interactive platform for interaction between doctors and patients for communication where patients can seek medical advice for free.
  - Created a interactive platform for interaction between doctors and patientswith functionalities like messaging, Video calls and creating tickets for consultation by doctor.
  - Integrated firebase for authentication and database and Zegio cloud module to assist in making video calls possible.

- **Climate Prediction app**
  - App that locates user and tells climate conditions and predicts weather using machine learning on previous weather data.
  - Used APIs to fetch real time climate conditions
  - Machine learning model to store current weather conditions and make predictions for future weather conditions.
  - Technologies used are Flutter and TF lite.