ABHIJEET SAHDEV

@ abhijeet.sahdev@learner.manipal.edu   in abhijeet-sahdev   ○ Jeet1912

EDUCATION

B.Tech in Computer Science and Engineering,
Minor in Computational Mathematics

Manipal Academy of Higher Education   **CGPA: 7.78/10**

🗓 Jun 2017 – Aug 2021   📍 Udupi, India

Class XII in TSBIE,
Maths, Physics and Chemistry Stream

FIITJEE Junior College   **Per: 94.6%**

🗓 Apr 2015 – May 2017   📍 Hyderabad, India

Class X in CBSE,
Activities: Student Council

Delhi Public School   **CGPA: 10/10**

🗓 Mar 2015   📍 Secunderabad, India

EXPERIENCE

Software Engineering Intern

MyHealthToday   **Project Report**

🗓 Dec 2020 – Jun 2021   📍 Remote

- Worked under the guidance of CTO alongside CEO and CPO to build a health management system for senior citizens.
- Developed a cross-platform front-end using React for web browsers and React Native for mobile app to ensure responsiveness across devices.
- Developed test suites to ensure that the application adhered to the design and was supported on target customer devices.
- Developed microservices using serverless AWS Lambda functions to create a scalable backend for the mobile and Alexa application.
- Implemented several Design Patterns like adapter and shared memory using React-Redux to create a single source of truth while developing the mobile app.
- Standardized formats of records in DynamoDB table using a script, preventing run-time errors in the future.
- Designed, coded and deployed RESTful APIs using SAM CLI and AWS CI/CD tools, reducing resource creation time at client side by 16%.

Application Developer Intern

Dystopia   **Code Repo**

🗓 Sept 2020 – Nov 2020   📍 Remote

- Collaborated with a team of developers, designers at a local animal welfare non profit on a pet adoption app from scratch following Layered Architecture.
- Developed clean UI following the designs using standard Flutter widgets and packages from pub.dev.
- Implemented user authentication and SSO using Firebase, reflecting state changes using Provider.
- Prototyped a chat section using Cloud Firestore to connect users on the application.

CERTIFICATES

- 'Intro to BCT and Applications' by UCL on FutureLearn.
- Deep Learning Specialisation on Coursera (avg score - 96.77%).
- 'Machine Learning' by Verzeo.
- 'A1.1 French' by Alliance Français Bangalore.
- 'Matrix Analysis and its Applications to Game Theory' by CARAMS.

COURSEWORK

- Data Structures and Algorithms, Database Systems, Software Engineering, Computer Networks and MATLAB.
- Time Series Analysis, Stochastic Processes, Computational Linear Algebra and Design of Experiments.
- Essentials of Management, Engineering Economics, and Business Intelligence.

PROJECTS

WhatsApp Chatbot

Twilio, Python, Flask and Heroku

🗓 Ongoing

- Serves as an emergency service for Dystopia, providing contacts of nearby vets and shelters.

Open Source Contribution

React Native   **Pull Request**

🗓 Mar 2021

- Introduced a boolean argument to display #selected_items in 'react-native-multiple-select' by *toystars*. [**450+** stars, **250k+** downloads]

Covid-19 Dashboard

Flutter   **Code Repo**

🗓 Jul 2021

- Shows global Covid-19 details using REST protocol to fetch data from a Firebase App, with offline functionality using shared preferences and error handling services.

SKILLS

Javascript, Python, Dart, MATLAB and C

ScikitLearn, TensorFlow and OpenCV

React, React-Native and Flutter

AWS, GCP, Git and Trello

EXTRACURRICULARS

- Technical Support for Lend A Hand India.
- Tutor at EdLodge Foundation, an NGO striving to impart education in rural India.
- Social Media Head at Mudra, affiliated to MIT, MAHE, responsible for overseeing content and networking with other student clubs.
- Won the second season of MIT Sports Club Cricket League with Team Hurricanes.
- Stood third in University Esports Fifa event.

INTERESTS

- World Economic Forum.
- Tech for Social Good.