

ABHIJEET SAHDEV

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jeet1912.github.io

in abhijeet-sahdev

jeet1912

EDUCATION

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

Manipal Academy of Higher Education

Jun 2017 – Aug 2021

CGPA: 7.78/10

Udupi, India

Class XII in TSBIE,
Maths, Physics and Chemistry Stream

FIITJEE Junior College

Apr 2015 – May 2017

Per: 94.6%

Hyderabad, India

Class X in CBSE,
Activities: Student Council

Delhi Public School

Mar 2015

CGPA: 10/10

Secunderabad, India

EXPERIENCE

Software Engineering Intern

MyHealthToday

Dec 2020 – Jun 2021

Project Report

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.
- Implemented code refactoring and design patterns such as adapter, state and observer 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.
- Developed microservices using serverless AWS Lambda functions to create a scalable backend for the mobile and Alexa application.
- 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

Sept 2020 – Nov 2020

Code Repo

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

- 'Blockchain Scalability and its Foundations in Distributed Systems' by The University of Sydney on Coursera (avg score - 100%).
- Data Scientist Career Track on Datacamp.
- 'Intro to Blockchain Technology and Applications' by UCL on FutureLearn.
- Deep Learning Specialisation on Coursera (avg score - 96.77%).
- 'Flutter and Firebase' by Andrea Bizzotto on Udemy.
- '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

Open Source Contribution

React Native

Pull Request

Mar 2021

- Introduced a boolean parameter to display number of selected items in 'react-native-multiple-select' by **toystars**. [500+ stars, 450k+ downloads]

Verzeo ML Program

Jupyter Notebook

Code Repo

Aug 2020

- Performed data wrangling and exploratory data analysis before making any predictions.
- Classified wine quality (bad or good) using KNN classifier ($k = 13$) with an accuracy of 87.97%.
- Modelled Covid-19 cases in India ($|\text{dataset}| > 30k$) using Random Forest Regressor with an R^2 score of 0.99.

Covid-19 Dashboard

Flutter

Code Repo

Jul 2020

- 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, C++, Dart and MATLAB

React, React-Native and Flutter

AWS, Git and Trello

ScikitLearn

EXTRACURRICULARS

- Technical Support for **Lend A Hand 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**.

INTERESTS

- Meditation, Cycling and non-fiction books.