

# ABHIJEET SAHDEV

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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

- Data Scientist Career Track on Datacamp.
- 'Intro to ChatGPT' on DataCamp.
- 'Intro to BCT 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 `#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 ( $|dataset| > 30k$ ) 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

ScikitLearn

React, React-Native and Flutter

AWS, Git and Trello

## EXTRACURRICULARS

- 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

- Meditation, Cycling and non-fiction books.