

# ABHIJEET SAHDEV

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jeet1912.github.io

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 several Design Patterns like adaptor, 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

- 'Intro to BCT and Applications' by UCL on FutureLearn.
- Deep Learning Specialisation on Coursera (avg score - 96.77%).
- 'Machine Learning' by Verzeo.
- 'Flutter and Firebase' by Andrea Bizzotto on Udemy.
- 'A1.1 French' by Alliance Française 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

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]

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 and Python

ScikitLearn

React, React-Native and Flutter

AWS, GCP, Git and Trello

## 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.
- Stood third in University Esports Fifa event.

## INTERESTS

- World Economic Forum.
- Meditation, Cycling and non-fiction books.