ABHIJEET SAHDEV

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EDUCATION

MS in Computer Science
YWCC, New Jersey Institute of Technology

📅 Jan 2024 - Dec 2025   📍 Newark, New Jersey

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

MIT, 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   📍 Hyderabad, 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.
- 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%.

SKILLS

Javascript, Python, C++, Dart and MATLAB	React, React-Native and Flutter	
AWS, Git and Trello	ScikitLearn	

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, Artificial Intelligence and Machine Learning.
- 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]

Pet Adoption Application
Flutter, Cloud Firestore   **Code Repo**

📅 Nov 2020

- Collaborated with a team at a local animal welfare non profit on the app from scratch following Layered Architecture.
- Developed clean UI, implemented user authentication and SSO, and prototyped a chat section using Cloud Firestore to connect users on the application.

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 $R2$ 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.

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.