

ADITYAKRISHNAN

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EDUCATION

CHRIST COLLEGE OF ENGINEERING

B.Tech. IN COMPUTER SCIENCE
Grad. Jun 2023 | CGPA: **8.98**

JAWAHAR NAVODAYA VIDYALAYA

XII - PCM - Science
Grad. Mar 2019 | CGPA: **8.92**

COURSEWORK

UNDERGRADUATE

Data Structures.
Algorithm Analysis
and Design.
Software Engineering.
Operating Systems.
DBMS.

SKILLS

PROGRAMMING

Languages:

- Advanced: C/C++, Dart
- Intermediate: Python
- Novice: Java, Golang

Technologies:

- App Dev • ML • GUI • IOT
- Automation

Frameworks:

- Flutter • TensorFlow
- Selenium • OpenCV • spaCy
- Java Swing/AWT • PyTKinter

Tools:

- Git • GitHub • Firebase • Jira

SOFT

- Communication
- Willingness to learn
- Accountability
- Leadership • Responsibility

VOLUNTEERING

- CEO – IEDC (Innovation and Entrepreneurship Development Centre), managed emerging tech to assist innovators in their prototyping stage.
- Google DSC Lead – Trained a group of students with Flutter.

EXPERIENCE

ERNST & YOUNG (EY-GDS) | DATA ANALYST INTERN

October 2022 – Present | Kochi, INDIA

- Developed an in-house **Python** script for logistics team using **simulated annealing** and **metaheuristics** to optimize **Vehicle Routing Problem**.
- Used a **Fleet Optimization Model** to maximize productivity and reduce cost.

AGRIDAY | SOFTWARE DEVELOPER INTERN

Apr 2022 – Jun 2022 | Remote

- Debugged and tested the software using automation tools like **Selenium**.
- Developed and integrated **REST APIs** to android using **dio** and **HttpsClient** along with interacting and testing them using **POSTMAN**.
- Reduced the latency between one-to-one and group chats by **25%** by implementing **Firebase RTDB** (Real Time Database).

NOOB COMMUNITY | SOFTWARE DEVELOPER INTERN

Apr 2021 – Jul 2021 | Remote

- Remodelled the application to **BLoC** architecture from **Provider** for efficient state management which reduced app crashes by **70%**.
- Led the **Frontend** Development side delivering responsive app screens within limited time.

PROJECTS

TRAWELL | Your AI Powered Travel Buddy

[Mobile App](#) | [GitHub](#)

Jun 2022 | FLUTTER, TENSORFLOW, TTS, KAGGLE, G-TRANSLATE API

- Trained an optimized **TensorFlow Model** compatible for android using **CNN Algorithm** to detect monuments in tourist areas.
- Used Yandex and Google Translate APIs to build a **TTS** (Text to Speech) Engine which aided in **voice-to-voice translation**.
- Redesigning application to **Flutter Web** for **Web App** compatibilities.

LYFT | Decentralized Auto-Cab Booking

[Mobile App](#) | [GitHub](#)

July 2022 | FLUTTER, REST APIs, LOCATION API, FIREBASE

- Designed and built **bidding logic** using mathematical equations along with a **Flutter** application connected to a locally hosted NodeJS server.
- Integrated **Flutter** and **web3** to interact with smart contract deployed on polygon network which aids in hassle free transportation.

AGROMED | Field Level Pest Detection

[Mobile App](#) | [GitHub](#)

July 2022 | FLUTTER, FIREBASE, TFLITE, RTDB, KAGGLE, LOCATION API

- Trained the **TF Model** through supervised learning with an accuracy of **87%** using online datasets.
- Implemented a feature which **maps** current location to the nearest fertilizer store as per pesticide/fertilizer prescribed by ML model.

AWARDS & RECOGNITIONS

2022	Winner	EY whyHack InnovatHer, Ernst & Young Hackathon
2022	Winner	Rural Agri-Tech Hackathon, ICAR
2022	Winner	Hack@Arch, 36hr Hackathon, Thrissur
2022	GitHub	140 Followers – 50+ Repositories
2022	26 th /3009	April Long Two Division 3, CodeChef
2021	Winner	hac'KP, Kerala Police International Hackathon