

SKILLS

Flutter

Mysql Nosql Python **Firebase** GIT Html/CSS Mongodb Javascript Java C++ С Solidity Flask Nodejs Kotlin Php React Tailwind

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# ALAN T A

Full Stack Developer and Software Engineer

### PROFILE

I have studied B.tech Computer Science Engineering. I have won several hackathons. Interested in Flutter, Cyber Security, ML, blockchain, Firebase and google API. I have been in leader role in several team competitions and like to work in a team rather than work independently. Proficient in using GitHub for version control and proficient in English, Hindi and Malayalam.

### WORK EXPERIENCE

## FullStack Flutter developer

07/2021 - 09/2021

Worked at SANCHARI (STARTUP IN Cisco, NASSCOM Foundation ThingQbator program). Build the entire app from ground up with a team of 4 interns and 1 guide, the app was published in playstore for testing. The project was to create an Travel Guide app.

- Created user registration using Firebase Authentication.
- · Created a page to add the travel route.
- Developed a google map interface to the travel route , live location of members on the trip,SOS message sender,nearby help locations (police station,hospitals,repair shop),Interest location finder.
- A page for showing real-time weather of travel route and real-time news of the travel location.

#### Java developer INTERN

### 09/2023 - 12/2023

01/2021

Worked at QBurst.

- Worked on a Back-End Java project that followed industry and principles.
- Learned solid Principles and other design patterns used in industry.
- Learned about Apache Tomcat servers, Servlets, and docker.

#### PROJECTS

Smart Covid qr scanner to track visited places flutter app

QR code scanner is a mobile application where shopkeepers have an app that shows QR code and users can scan this QR code which will automatically add that user to the visitor list. This will replace manual entry of contact details in the shop due to COVID.

https://github.com/alanta335/qr\_code\_scanner\_for\_covid\_list

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682511



**EDUCATION** 

#### 06/2019 - 06/2023

B.tech COMPUTER SCIENCE ENGINEERING

NSS College of Engineering, Palakkad — 8.53 CGPA

#### 2017 - 2019

Class 12th Computer science

HIHSS EDAVANAKAD 1131/1200 MARKS 94.25%

### CERTIFICATIONS

#### Introduction-to-flutterdevelopment

London App Brewery

#### Programming for Everybody (Getting Started with Python)

**Coursera** By University of Michigan

#### **Python Data Structures**

**Coursera** By University of Michigan

This repository contains a collection of write-ups and solutions for various capture the flag (CTF) challenges and competitions. The challenges cover topics such as web exploitation, reverse engineering, cryptography, forensics, binary exploitation, and more. The repository demonstrates the skills and techniques required to solve real-world cybersecurity problems.

https://github.com/alanta335/ctfs

**CTF Writeup's** 

#### Smart doctor patient detail management flutter app

01/2022

This is a Flutter app that allows doctors and patients to manage their details and appointments. The app uses Firebase as the backend and implements features such as authentication, cloud storage and real-time database. The app also provides a user-friendly interface. The repository showcases the ability to develop cross-platform mobile applications using Flutter and Firebase.

https://github.com/alanta335/smart\_doctor\_patient\_detail\_management\_flutter\_a

### Flutter php MySQL app for student profile management

03/2022

This is a Flutter app that connects to a PHP backend and a MySQL database to manage student profiles. The app allows users to perform CRUD (create, read, update, delete) operations on student data, such as name, email, phone number. The app also uses Firebase authentication to enable user login and registration.

https://github.com/alanta335/flutter\_php\_mysql\_app\_student\_profile\_manageme

#### WhatsApp messenger broadcast bot

01/2022

This is a Flutter app that allows doctors and patients to manage their details and appointments. The app uses Firebase as the backend and implements features such as authentication, cloud storage and real-time database. The app also provides a user-friendly interface. The repository showcases the ability to develop cross-platform mobile applications using Flutter and Firebase.

https://github.com/alanta335/smart\_doctor\_patient\_detail\_management\_flutter\_a

### Anonymous drug reporting app with firebase and ml feature's

05/2022

This is a Flutter app that allows users to anonymously report drug-related incidents in their area. The app uses Google Maps API to display the location of the reported incidents on a map, and Firebase Firestore to store and retrieve the incident data. The app also uses Firebase authentication to enable user login and registration, and Firebase storage to upload and download images of the incidents. The app also uses clustering and spam detection as a part of machine learning.

https://github.com/alanta335/anonymous-drug-reporting-flutter-app

#### Product Authentication using BlockChain

The solution I have implemented using Ethereum blockchain technology by writing a smart contract to authenticate products by giving them a new Unique ID or Utilizing existing unique IDs like IMEI or Serial numbers and generating a qr code and adding them to blockchain and tracking the owners by adding the owner details for each product to the block by the execution of the smart contract in polygon sidechain. This is part of my 3rd year B.tech mini poject

https://github.com/alanta335/smart\_doctor\_patient\_detail\_management\_flutter\_a

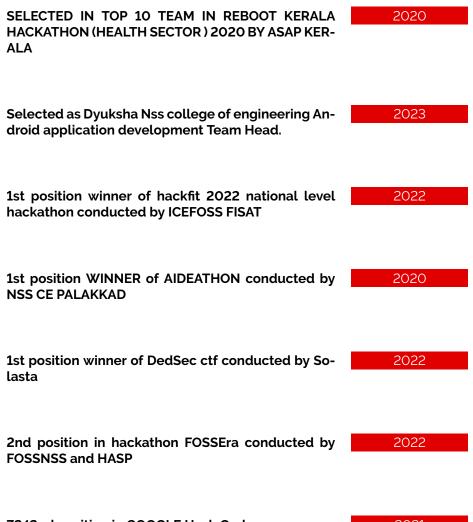
### Vehicle to Vehicle Communication using Arduino Kotlin app

04/2023

App used to detect traffic congestion and SOS message broadcasting without network connectivity using Arduino. This is part of my final year B.tech poject

https://github.com/alanta335/v2v\_Arduino\_Kotlin\_Communication

### ACHIEVEMENTS



7242nd position in GOOGLE Hash Code

2021