



# ALAN T A

Full Stack Developer and Software Engineer

## SKILLS

Flutter

Mysql

Nosql

Python

Firebase

GIT

Html/CSS

Mongodb

Javascript

Java

C++

C

Solidity

Flask

Nodejs

Kotlin

Php

React

Tailwind

## CONTACT

✉ alanta335@gmail.com

🌐 github.com/alanta335

📞 +91 8943085806

🌐 linkedin.com/in/alanta335

## 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

INTERN

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

09/2023 - 12/2023

INTERN

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

01/2021

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](https://github.com/alanta335/qr_code_scanner_for_covid_list)

📍 thundathil house, perumal-  
padi east road,mallipuram PO  
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-flutter-  
development**

**London App Brewery**

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

**Coursera**  
By University of Michigan

**Python Data Structures**

**Coursera**  
By University of Michigan

**Crash course on python**

### **CTF Writeup's**

09/2020

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>

### **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](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\\_management](https://github.com/alanta335/flutter_php_mysql_app_student_profile_management)

### **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](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

01/2022

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 project

[https://github.com/alanta335/smart\\_doctor\\_patient\\_detail\\_management\\_flutter\\_a](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 project

[https://github.com/alanta335/v2v\\_Arduino\\_Kotlin\\_Communication](https://github.com/alanta335/v2v_Arduino_Kotlin_Communication)

## ACHIEVEMENTS

**SELECTED IN TOP 10 TEAM IN REBOOT KERALA HACKATHON (HEALTH SECTOR) 2020 BY ASAP KERALA**

2020

**Selected as Dyuksha Nss college of engineering Android application development Team Head.**

2023

**1st position winner of hackfit 2022 national level hackathon conducted by ICEFOSS FISAT**

2022

**1st position WINNER of AIDEATHON conducted by NSS CE PALAKKAD**

2020

**1st position winner of DedSec ctf conducted by Solasta**

2022

**2nd position in hackathon FOSSEra conducted by FOSSNSS and HASP**

2022

**7242nd position in GOOGLE Hash Code**

2021

