

K.N Anantha nandanan

EDUCATION

2019-2023 **B.Tech in Computer Science and Engineering**, Amrita Vishwa Vidyapeetham, Kollam, Kerala, India.
Ongoing CGPA: 8.44/10

EXPERIENCE

- October 2021 **Eindhoven University of Technology**, *Research Student*.
- March 2022
- Implemented the algorithm for **Handling Incomplete Information in Policy Evaluation** using Attribute Similarity Graph.
 - Analysed the effectiveness of the algorithm for deciding verdict for user access request in broad systems.
- June 2021 - **Spoon**, *Associate Technology Engineer*.
- September 2021
- Used a serverless framework called Firebase Cloud Functions, configured the cloud services, deployed them, tested them, and integrated the vendor APIs in the backend.
- December 2020 - **Traboda**, *Backend Developer*.
- April 2021
- Implemented necessary API endpoints in an end-to-end Cyber Security learning platform using GraphQL and Django.
 - Added a user password security measure by implementing a password pwned checker.

ACHIEVEMENTS

- Finished as a **runner up in the IEEE GovTechThon'20**, out of the 100+ teams selected for the hackathon.
- Invited to the Hackverse conference

TECHNICAL PROJECTS

- April 2020 **NaWaB bot**.
- The NaWaB bot is a content curator for network-related subjects. It's one of the finest ways to stay up to date on the latest innovations, advances, and network talks on Twitter. When the script runs, it scrapes all tweets linked to networks and saves the tweet ids and timestamps in a.csv file. The results.log and error.log files include all of the result and error logs, respectively. When a user provides the bot the /start command, it begins delivering the most recent tweets. **Tech stack** used - Python, Pandas, Twitter API, Telegram API. Project Link: <https://github.com/Team-SYNACKd/NaWaB>
- May 2021 - **CMS**, *Maintainer*.
- Present
- Club Management System (CMS) is a Django-based web-app that serves as a foundation for many amFOSS community apps such as the amfoss website, webapp, and mobile app. **Tech stack** used - Python, Django, GraphQL, Telegram API, Google API. Project Link: <https://gitlab.com/amfoss/amfoss/cms>
- January 2022 **Lazzy Space**.
- May 2022
- Lazzy Space is a web-based work management and collaboration solution for efficiently organising, planning, and storing resources. **Tech stack** used - React, ExpressJS, MongoDB. Project Link : <https://github.com/Akshay3960/lazzy-space>
- January 2020 **DePOLARIZER**.
- DePOLARIZER is a social-media-based online tool that aims to depolarize our society's numerous "groups" by offering them the other side of the story directly from their peers. **Tech stack** used - React, MongoDB, ExpressJS, Socket.IO. Project Link : <https://github.com/ananthanandanan/De-polarizer>

November **NAV-FT.**

2020 This is an Android flutter application that contains some of the features that we can use to speed up the process of vehicle fitness testing. New vehicle registration, New vehicle registration using an image, check whether the inspection for a certain vehicle is pending or completed, Checks for the tire condition, etc. **Tech stack** used - Android SDK, Flutter, Dart, Google API, Firebase, Docker, Tensorflow, AWS sageMaker.

Project Link:

<https://github.com/Fireboltz/NAV-FT>

August 2020 **Lorax.**

Lorax is a Flutter application that encourages people to plant and nurture trees. The user could keep track of the tree's progress and set reminders. Also, keep track of his progress on social media to show off his accomplishments and inspire others. **Tech stack** used - Android SDK, Flutter, Dart, moor database, Google API, Firebase, Firebase cloud-Store.

Project Link:

<https://github.com/ashwinkey04/lorax>

VOLUNTEER

January 2022 **Student Social Responsibility, Team Lead, Amrita School of Engineering.**

- March 2022
 - Aim of this project was to create a deep impression on how important it is to maintain a proper diet and the impact it has on us.
 - We invited a nutritionist for a talk with regards to developing good food habits as well as the dangers of not taking the right steps towards the right nutrition to develop a healthy mind and body.

August 2020 - **Google Developer Student Club, Member, Amrita School of Engineering.**

- July 2021
 - Contributed with other leads in organising various sessions based on Android Development and web development.
 - Was part of a project with other core team members to help students to learn basics of software development and android.

August 2019 - **Member and Mentor, amFOSS.**

- Present
 - Mentoring my juniors to get them started with open source contributions and come up with innovative ideas.
 - Help manage the community of 80+ members along with organizing various events and leading the media campaigns.

August 2021 **Introduction to Linux.**

This workshop was held by the amFOSS and Team BiOs for the school students in the field of web development, AI, Game development etc. I was responsible to take sessions for Introduction to Linux and Linux commands.

December **Kharagpur Winter of Code, Mentor.**

- 2020
 - Kharagpur Winter of Code is a 5-week long online program for students who are new to open source software development.
 - Mentored on Lorax Flutter SDK project for revamping the UI/UX.

TECHNICAL SKILLS

OS Linux, Windows

Languages Python, Typescript, Rust, MongoDB, GraphQL, SQL, BASH

Framework Django, MERN Stack

Tools Git, Postman, Wireshark, Docker, Vscod

INTERESTS

Technical Research in Computer Network and Security, Automation, Data Analysis, Contributing to Open Source