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EDUCATION

August 2019 - Present

B.Tech in Computer Science and Engineering, *Amrita Vishwa Vidyapeetham*, Kollam, Kerala, India.
CGPA: 8.62/10

EXPERIENCE

July 2022 - Present

EUS-ML, *MLOps Engineer*.
- Assisted in the development of an **AI-assisted tool** for **improved diagnosis** of potentially malignant pancreatic tumors during endoscopic ultrasound-guided fine-needle aspiration, leading to enhanced patient outcomes and **diagnostic accuracy**.
- Conducted research on novel deep learning approaches to improve tool accuracy and precision, contributing to the development of the final product.
- Designed and implemented MLOps tools and infrastructure to support the deep learning project, resulting in **streamlined** development and deployment processes.

December 2022 - June 2023

IMS, *Technical Lead*.
- **Led a team** to develop and implement an innovative Inventory Management System (IMS) for a hospital's IT department, resulting in **increased efficiency and productivity**. Features included role-based login, **department-based ticket assignment**, and data visualization through a report dashboard, among others.
- Coordinated with the client to **successfully deliver** the IMS project, which effectively tracked hospital infrastructure inventory. The system included search filters, ticket closing, and user profile pages, resulting in **streamlined** inventory management and improved operations.
- Set up CI/CD pipeline and **DevOps environment** using Docker and Docker Compose for development and deployment, ensuring efficient delivery of the IMS project.

October 2021 - March 2022

Eindhoven University of Technology, *Research Student*.
- Implemented an algorithm for handling incomplete information during ABAC Policy Evaluation using **Attribute Similarity Graph**.
- Conducted an in-depth analysis of the algorithm's effectiveness in decision-making for user access requests, providing insights into its **practical applications** and potential limitations.

June 2021 - September 2021

Spoon, *Associate Technology Engineer*.
- Developed a back-end infrastructure using a server-less framework called **Firebase Cloud Functions** with GCP.
- Implemented back-end features such as authenticating users, **KYC verification** and integrated **bill payment system**.
- Improved API response time by **20%** by implementing **Asynchronous invocations** and fine-tuning **resource allocation**.
- Improved software security by integrating a **data privacy vault system** using Skyflow service.

December 2020 - April 2021

Traboda, *Backend Developer*.
- Implemented back-end features for a cyber security platform using query language called GraphQL and debugged numerous back-end components in the codebase.
- 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 - June 2020
NaWaB bot, *Contributor*.
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 - Present
CMS, *Maintainer*.
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 - May 2022
Lazzzy Space, *Contributor*.
Lazzzy 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/lazzzy-space

October 2020
Craig Scraper.
Craig Scraper is a clone of the Craiglist website built using Django. This web application provides a better user experience than the real Craiglist website. The user can input the search query and surf for commodities to purchase with ease. Tech stack - Django, beautifulSoup, Python, Materialize CSS. Project Link:
https://github.com/ananthanandanan/Craig-Scraper

VOLUNTEER

January 2022 - March 2022
Student Social Responsibility, *Team Lead, Amrita School of Engineering*.
- 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 - July 2021
Google Developer Student Club, *Member, Amrita School of Engineering*.
- 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 - Present
Member and Mentor, *amFOSS*.
- 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.

May 2020 - June 2023
inCTF, *Core Organiser*.
- Coordinated and executed India's prestigious inCTF event, a hacking competition with participants from around the world.
- Managed logistics, oversaw the competition, and led a team of volunteers to ensure a smooth event operation and a positive experience for all participants.

TECHNICAL SKILLS

OS: Linux, Mac

Languages: Python, JavaScript, Typescript, SQL (Postgres), HTML/CSS, GraphQL, BASH

Framework: Django, Express, React, NodeJS, NextJS

Tools: Git, Linux, Docker, Redis, Huey, Vim, VS Code

INTERESTS

My primary focus is on DevOps and software development. I also have a strong interest in deep learning and its applications.