ANANTH RAGHAV

Course : **B.E. (Hons.)**, Electronics and Instrumentation, 2024

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CGPA : 7.54

SUMMER INTERNSHIP / WORK EXPERIENCE

Web Developer, Indian Red Cross Society   **Jun 2022 - Jul 2022**

I worked as part of a team developing a web/software based application for the organisation. This software was developed using Django, a popular python based framework, as it suited the organisation's requirements.

PROJECTS

Cab Joint - Web Development   **Aug 2022 - Aug 2022**

• The project was aiming to solve the issues with cab prices in places like Goa where third party cab services weren't available.

• Users could log in, enter details as to when their flight/train/bus departs/arrives and the app would show if people from the same university are arriving on that day so they can cabpool together.

Code Share - Web Development   **Aug 2022 - Aug 2022**

• Users can upload code and shorten it and automatic unique URLs are generated to share the code.

• What separates this platform from mos t others out there is that it runs a Cron job that deletes links that were created without the sign in of the user.

• Hence to save shortened links, the user has to be signed in.

Melange - Web Development   **Jun 2022 - Jul 2022**

• The application was used by the graduating 2018 batch which was around 1000 users.

• Worked on the backend and frontend which together comprised of 4000 lines of code.

• Users could send heartfelt nostalgic messages to each other that would be later compiled into the yearbook using scripts.

• Used Mongodb and Node.js for the backend and React coupled with Chakra UI for the frontend.

• User images were stored on the server itself as storing it elsewhere would increase network bandwidth.

Smart Overhead Tank - Microprocessors   **May 2022 - Jun 2022**

• The goal of the project was to create a smart overhead tank capable of adjusting it's levels to different times of the day.

• We had to use a 8086 processor and interface it with an acoustic sensor above the tank.

• We had to interface everything from scratch including the address and data bus of the 8086 processor. We used 8259 for raising interrupts, 8253 for generating timing signals and 8255 for I/O interfacing.

• This project was part of our course in BITS Pilani, Microprocessors Programming and Interfacing (INSTR F241).

CSA Times - Backend Development   **Sep 2021 - Jan 2022**

• This app consists of multiple features including food-ordering, PR drives, events and notice management, exam schedules and timetables and impacted around 2000 users.

• I worked on the backend of this app that contained about 8000 lines of code.

• Wrote tests for the app using Jest and interfaced CI for it that made sure the tests ran before every merge with the main reporsitory.

POSITION OF RESPONSIBILITY

Sandbox Committee Member - Sandbox BITS Goa   **Mar 2022 - Jan 2023**

• Was part of the student led management committee that maintained the incubation centre of our university which helped around 400 students in our university.

• We were responsible of maintaining the various equipment the lab had to offer such as 3D printers, laser cutters and a plethora of other equipment for using in mechatronic related projects such as drones robots etc.

• We managed and allocated equipment for people and technical clubs that needed them for their projects.

EXTRA CURRICULAR ACTIVITIES

Sports

• Was part of the college's basketball team.

• Had practice mostly everyday for about three hours.

• Went for tournaments in various universities such as IIIT Bangalore, BITS Hyderabad etc.

Marketing Associate

• Was part of the Department of Sponsorship and Marketing, BITS Goa

• The department was in charge of bringing sponsorship for the three fests that we had in our campus.

• Cold called companies for providing sponsorship for these fests in exchange for advertising or promoting the company in our campus and in the fest's official handles.

Senior Developer at DEVSOC, BITS Goa

• Worked mostly on backend development using Nodejs and Typescript with Mongodb and Postgresql as occasional databases.

• I worked on the backend for CSA times, an app for daily activites of the student, Melange and Short Me, a url shortner for the university.