

ASSIGNMENT – 1

There are a very few things that I have done in the technical field as I was not that much fond of doing technical things few years back. So most of my contribution to the technical world starts after I entered college and especially after 3rd semester of the college. So below I discussed some of the few contributions and projects I worked on.

1) BOOKSTORE :- E-library :-

It is an e-library developed by me only during the summer of 2014. It was fully developed on Django webapp which is based on python. I started working on python and Django from the start of 4th semester. Here I prepared the database for the Django app and also deployed this app on the heroku cloud server. I also worked on the frontend of the app. In the nutshell I worked alone on that app and It was build for the purpose of learning things. I applied the authentication and other concepts used in Django. I learnt a lot for that app. This app is live right now. Here is the link :- <http://aqueous-ridge-4845.herokuapp.com>

I maintained the code on github. As this was basically for the purpose of learning so I kept its code open. I also documented the things I have learnt while working on that projects. I use to write them in my blog.

Here is the blog's link :- <http://technologyforfirsttime.blogspot.in>

2) MY OWN WEBSITE :-

This is a Django app build by me for myself. It is a website for myself. It is a static site but yeah I worked little bit on frontend. I also deployed the app on cloud server heroku. This app is live.

Here is the link :- <http://prakhrajoshi.herokuapp.com>

3) Created a Database for DBMS course :-

This is a desktop app build by a team of 2 members. We have created database for an insurance company which includes the testing of database using queries. Though this project was not possible without the guidance of Prof. Minal Bhise and the TA's of DBMS. I worked on postgres before also during the deployment of my app(BOOKSTORE). So It was not at all alien thing for me but still I learnt a lot through out the course. We have worked a lot on the documentation for the project through out the whole semester. I came to know about SRS for the first time through this course. At the end of the course we have prepared a desktop app for the database in java. We have finished backend completely and in this part we have to work on the UI(user interface) only. We used java GUI(Graphical user interface) for the same.

4) 7 UP and 7 DOWN (COMPUTER NETWORKS) :-

This is a gambling game build on the concept of socket programming. We have been working for the team of 2 for the same. We have made the software which has client and server script in which many players can play the game at the same time. We have used python as the script language and made sockets in python only. We have build a GUI for that also using Tkinter from the python library. The course instructor and the TA's of the course helped us a lot during the project.

Their guidance helped us a lot. I have put the code on github.

Here is the link :- <https://github.com/prakharjoshi/7-up-and-7-down>

5) ROBO SOCCER (ARTIFICIAL INTELLIGENCE):-

In this project we have to work on artificial intelligence. Here we worked in a team of 3 people and we have to code the bots (agents) and to make them play against the opponent team for a soccer match of 6 mins. We have to code in c++ . It was a quite blood sucking project for me as everything was new for me at starting and it was too painful to understand from where to start. The TA and course instructor helped us a lot and their guidance made the project for us. We learnt a lot while working on that project and have experience the taste of future technology known as machine language. I ahve uploaded the code on github.

Here is the link :- <https://github.com/prakharjoshi/robocup-defence-darkterror>

There are few organisation for which I have been contributing and learning a lot while working with them. Though all the projects are either started or are in transit so as they are not complete projects so I will not mention them here.