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Key Projects

Improving EDAM Browser (Open source contributor)

(April'21-Ongoing)

- I worked on improving frontend of this browser. Used **Javascript, HTML, CSS**.
- Solved many other bugs as can be seen in [the merged PR](#).

List BBC and Quotes

(Dec'20)

- A web app made using **ReactJS, JS, HTML, CSS** which lists Breaking Bad Characters their Quotes
- list shows name, occupation, date of birth status of the character.
- Pagination has been done using **ReactJS**, one page should have 10 characters.
- page for details of the characters : Name, Image of the character, Date of Birth, Occupation, Status (dead or alive), Nickname (if present) Actor who portrays the character, Seasons in which the character appears, All quotes by the character.

File Manager for Linux

(Feb'21-June'21)

- Created a web application for the file management system for Linux, with built-in-editor, and Terminal. Used **Python**.

Text File Operation App

(Oct'20)

- web application which is capable to read data from a text file and change if required.
- Statistical evaluation of that file is done using **tinkter, matplotlib, and Numpy** like finding the no. of lines, no. of words, words occurring with the highest frequency, histogram plotting of frequencies of occurrence of words against the word itself, etc.

HP STSE

(Nov'20)

- The project involves Web application for online application with following functionalities using **python 3, MySQL, HTML, CSS, PHP, XAMPP**:
- online student registration form
- online admit card generation
- login for admin, principals and students with admin control
- (extension) upload exam question by admin and accessed by principals only

Blogger Website

(April'20- Ongoing)

- Informative blog about top 25 exercises to be done at home with their postural images attached, designed using **HTML, CSS** and currently working on making it more interactive using **javascript, PHP** and **MySql** as per the requirement.

FG Website

(March'21- Ongoing)

- Designed using **HTML, CSS, Javascript**

Kaiwa

(Jan'21)

- A telegram bot made using **Python, JSON** which answers queries for future freshers of IIT Mandi
- Used modules like **tensorflow, keras, pickle, nltk**

Analysis of data of IIT-JEE ranks and performance in institute courses

(May'19)

- Data of 3 years for students of IIT Mandi on how they perform in IIT-JEE entrance exam and in 3 of their first year institute courses were analyzed using python statistical and data science tools like clustering as to get meaningful inferences **Tools: Python, Numpy, Pandas, Matplotlib, Skicit-Learn, Microsoft Office Tools**.

Website to do SQL queries on multidimensional Database (Applied Database and Practicum project)

(Oct'19)

- Designed a website to do queries like insert, update, delete, etc on a multidimensional database and show the result in the browser using localhost using **HTML, CSS, JS, MySql, PHP, XAMPP**.

Technical Skills

- **Programming Languages:** C, C++, HTML, Python, mySql, PHP, CSS, javascript, \LaTeX , Java, Go
- **Software and Libraries:** Numpy, Pandas, Skicit-Learn, Matplotlib, tinkter, Microsoft Office
- **Version Control System:** Github, Gitlab
- **OS:** Ubuntu, Windows

Relevant Courses

Data Structure and Algorithms
Mathematical Foundations of Computer Science
computer graphics and Game Design
Pattern Recognition
Communicating Distributed Processes
Paradigm of Programming

Applied Database and Practicum
Data Science (I, II and III)
Computer Organisation
Information and Database Systems
Algorithm Design and Analysis
System Practicum