***Team Members:***

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***Abstract:***

In today’s growing coding culture, coding sites have taken over gaming. Each coding competition organized by each website has its own unique mark. Considering the huge number of websites, it has become really hard for the coders to keep track of the various contests and the contests which are apt to their level of skills in coding. In order to overcome the current problem, the idea of ***Code Contest Calendar*** is strong. Hence, we aim to create an online calendar.

***Implementation:***

In this project, the data of the coding competitions is collected from all the websites and stored in SQL database for proper management and retrieval. Also, the competitions will be sorted according to their dates like a calendar and the user can view present, past and future contests with ease. Each coding website will be categorized using techniques and stored in the SQL database. Contests along with their dates will be stored and organized. Students can easily see the available contests. Machine learning and web crawler techniques will also be implemented. So, the key implementations include web crawling, web development, data mining, database management, local server setup and ML techniques if possible.

***Software requirements:***

***Languages****:* Python, Java Script, HTML, CSS, MySQL

***Frame Work:*** Django, Git

***Techniques:*** Beautiful soup of python for Web Crawling

***Work Distribution:***

* Data mining from coding websites spoj, hackerrank, leetcode, codechef, hackerearth.
* Designing the database.
* Designing the website.
* Linking front end and back end.

Equal work distribution is done among the teammates.