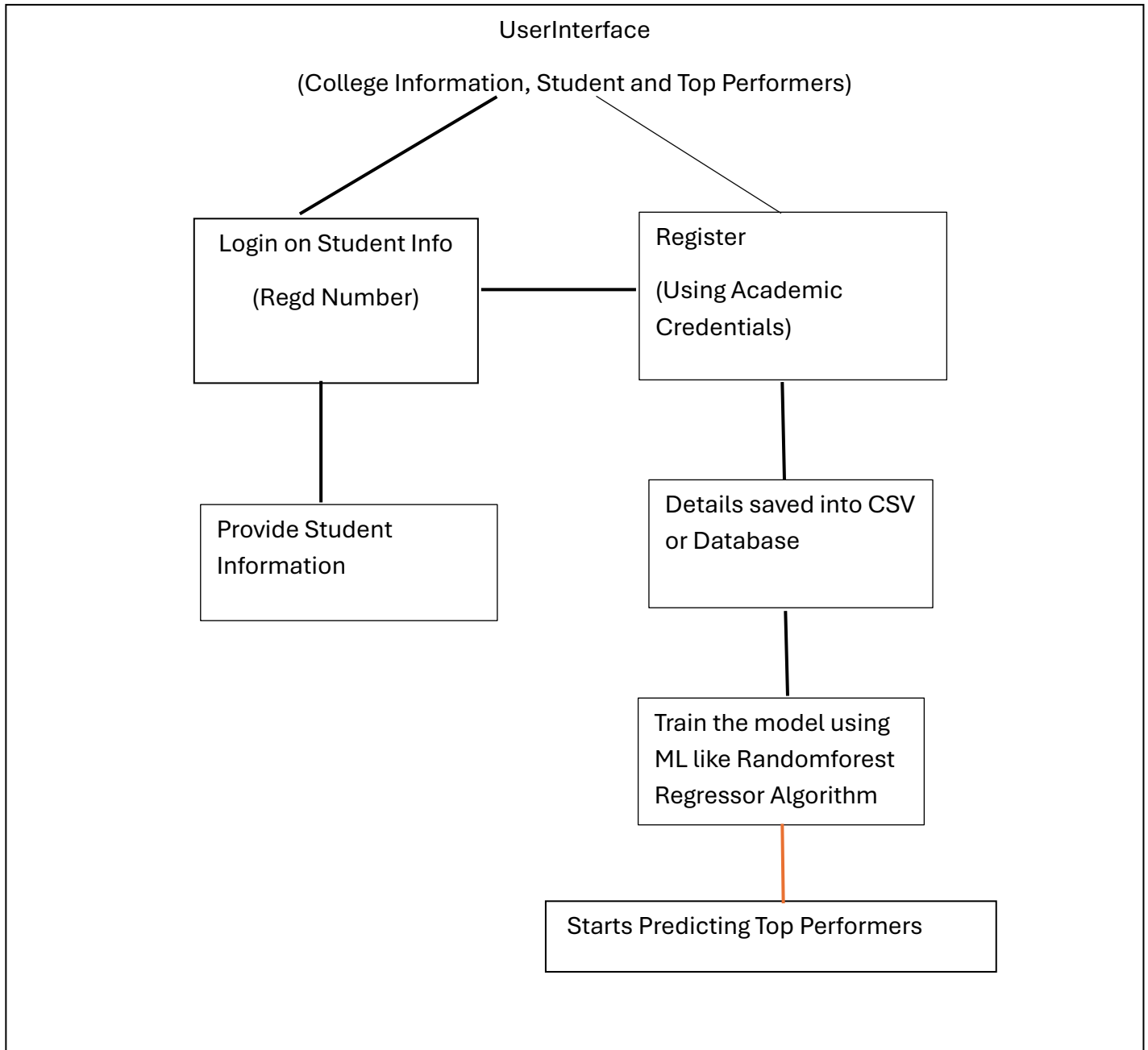


HBS TEAM 12

(Overview of the design)



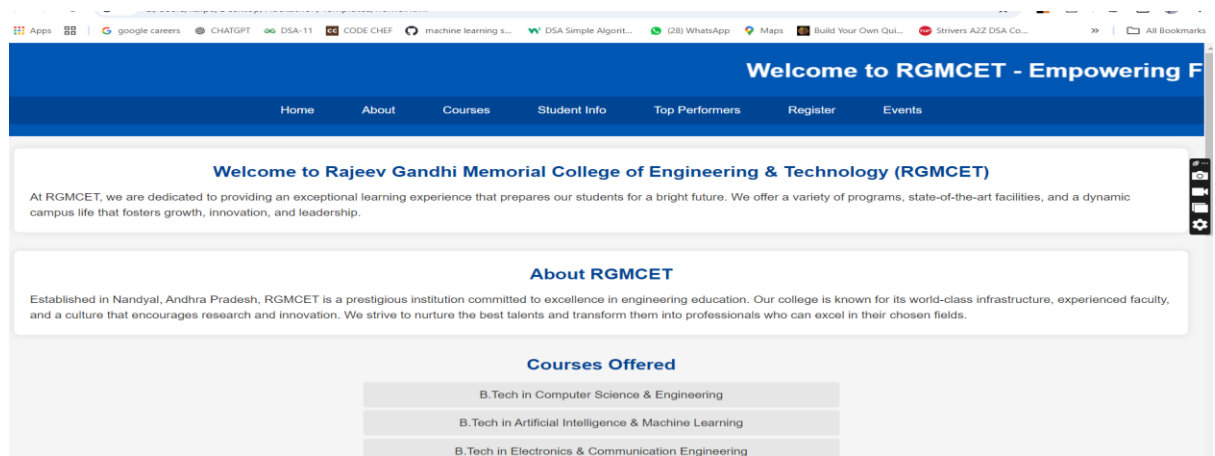
Technologies Used

- Frontend: HTML, CSS, Java Script (UserInterface)
- Backended: ML (For predicting Top Performers), Python, Flask FrameWork
- Data Preprocessing: scikit-learn
- Database: CSV files, Mongoddb for further updates
- Development Tools: VS Code, Jupyter Notebook, Git

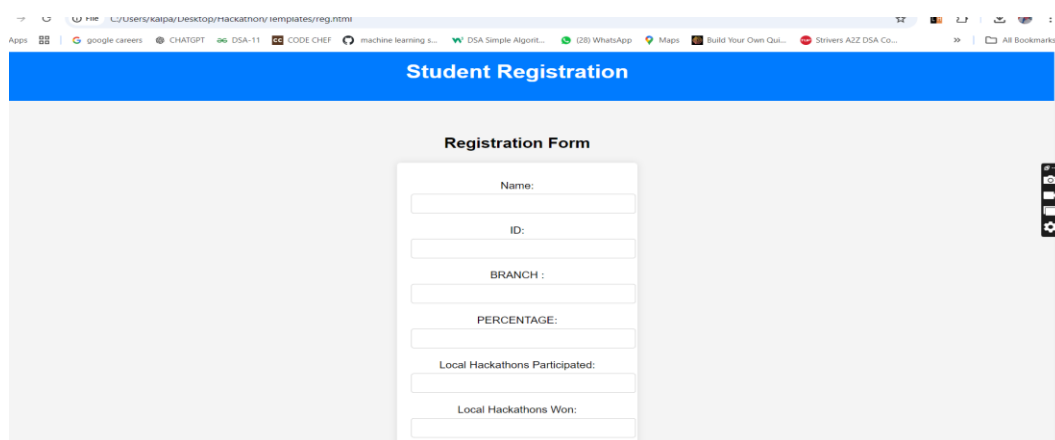
Steps Followed:

- Understood Problem statement and made overview of our solution
- Prepared and analysed dataset for building our project.
- Started building Machine Learning Model
- Imported scikit-learn, numpy, pandas for data preprocessing and handling.
- Tested the model by Mean Square Error
- We got 0.0014 MSE and R^2 score as 0.8820
- Retrained and made sure with what we have done for the prediction of Top performers.
- Started building Frontend for the Website using HTML, CSS, Java Script.
- Connected Frontend and Backend using Flask Framework.
- Successfully Pushed the code into the Github.

HOME PAGE



Registration Form:

A screenshot of a web browser displaying a "Student Registration" form. The browser's address bar shows a local file path. The page has a blue header with the text "Student Registration". Below the header is a white form titled "Registration Form". The form contains several input fields: Name, ID, BRANCH, PERCENTAGE, Local Hackathons Participated, and Local Hackathons Won. Each field is preceded by a label. The form is set against a light gray background.

