

Solution prototype

- All the real time stories news and the rest of desired information about entrepreneurship are searched from different top sites on google and presented a glimpse on a dynamic web page "Entrepreneur Nation".
- The stories are stored in a database categorized(news,events,awards..) in the backend along with link of the source and gist of story and the webpage reflects stories present in database.
- The database is constantly updated by backend java servlet application which uses several web crawler functions to search the top links of each category .
- Another set of web crawlers are programmed to filter top sites of relevant information from google how ever few govt sites like narendramodi.com , msde.gov.in are always considered and given top priority.

TECHNOLOGY STACK

The Technologies which are used to approach the solution are:

- HTML and CSS.
- Java Script.
- Java Servlets.
- SQL.
- Web Server.

HTML and CSS are used to render the user view and develop the front end view of the website.

The main code of the website is written in the HTML, and CSS is used to Style and format the output of the HTML code. In Order to that JavaScript is used to give full fledged interactivity to the website. It is used to write the Third Party APIs in the website for the user convenience. So These are used to develop the Front end part of the website. And the Java Servlets are used to create the dynamic web pages depending on the request from the clients and the users. It extends the functionality of Server by generating the dynamic web pages. In Order to give Full Fledged functionality to the servlets, Web Server are also used to store, process and deliver the webpages to the clients. It supports the web crawler by initiating the requests to the particular startup and Entrepreneur based websites and gets responded by the resources/real file from the server. This entire process by the back end languages is connected to the mySQL database using Java Database Connection to store, Maintain and Update the dynamic content of the Website.

SHOW STOPPER

- SQLException: If the database cannot be accessed because there is something wrong with authentication and the command is not found or the table is not found or if there is no data present in the database
- IOException: We cannot get input from the browser or from the javascript page.
- Choosing stories from different sites may lead to repeated stories.
- If the keyword searched is not present in any of the entrepreneur pages, Then the browser returns to a no results found page.
- So it can be self sustaining.
- It is a single platform exclusively for guiding young entrepreneurs to achieve their dreams.

