



Sarhad College of Arts, Commerce and Science

BSC Computer Science

Final Year Project

**Automatic Post Maker**

**Sarhad News Post**

Submitted by

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| **Ganesh Shivanand Gachchinmath** | **194031** |
| **Pratap Motiram Karhale** | **194039** |

Under the support and guidance of

**Ms. Sonali Gholve**

**Assistant Professor,**

**Department of Science**



Introduction: -

Since the rise of the digital age, many people have used the internet and the World Wide Web (www) in their everyday lives. These users often use the web as a means of communication, with forums, chatrooms and even video hosting sites being the key platforms. Users of the Internet are, for the most part, want to be anonymous, which allows users to openly use our Web Application without disclosing your data.

We have developed an automatic post maker with the help of web scraping integrated with web page Sarhad news post, we will scrap data from the news website such as Business Today and dump the headings into our personal website which we will be creating and convert that text into downloadable file in JPEG/PNG format. On our website their will, be templates already present and scrapped data will be dumped on that website only. We are using Web Scrapers it is closely related to web crawlers and while there are no real industry definitions for these terms, a distinction is often made, Web crawlers, or spiders or scrapers, are often used in search engines, as they crawl or scan through a website, looking for links, titles for indexing purposes. Web scrapers may still crawl through a website however a web scraper is a software that extracts data from webpages and stores the data in a database for further manipulation.

The project was made to solve a problem for content creators on regular basis on platform like Instagram, LinkedIn. Creators need to spare sometime to edit the post with the help of this project. Such a person will only have to select websites from which he had to scrap the data that’s it, then just with one click of download button we can save image in JPG/PNG file.

A picture containing text, clipart, vector graphics

Description automatically generatedAims and objective: -

The Project was made to solve a problem for content creators on regular basis on platforms like Instagram, LinkedIn, Facebook, WhatsApp need to spare sometimes to edit the post with the help of this project. Such a person will only have to select websites from which he had to scrap the data that’s it, then just with one click of download button we can save image in JPG/PNG file and then we can easily post them. However, it can be used as a tool for social media platforms. The focus of this project is to save your time.

The core aims of this project are:

* To build an understanding of content creators on the internet using web scrapers.
* To create a web scraper to crawl through and extract heading from news websites.
* To use Flask to develop light weight web app with inbuilt database.
* To Dump the headings in our template.
* To develop a web application to use as a front end and allow user to operate from back end through an intuitive interface.

The deliverables for this project are:

* Web Application
* Web Scraping
* Flask (light weight webapp) with inbuilt Database

A picture containing text, clipart, vector graphics

Description automatically generated

Input Requirements: -

Business today News website for web scraping headlines.

Output: -

Data of input will be dumped in template after clicking download button we will be getting JPG/PNG file as an output.

Proposed System: -

* A PC that is connected to a network and can be used as a server to host the Application.

Software Requirements: -

* Visual Studio Code (VS-Code)
* Microsoft Edge Browser
* Python 3.10.0
* Windows 10 Home Operating System
* Extensions: Run Coder, Python intellisence, HTML, CSS Extension
* Frontend: HTML, CSS
* Backend: Python, JavaScript, Flask

Hardware Requirements: -

* Laptop with 8 GB RAM (For better Experience)
* 2 GB Space (HDD or SDD)
* WIFI or Hotspot Internet connection