Digital Portfolio

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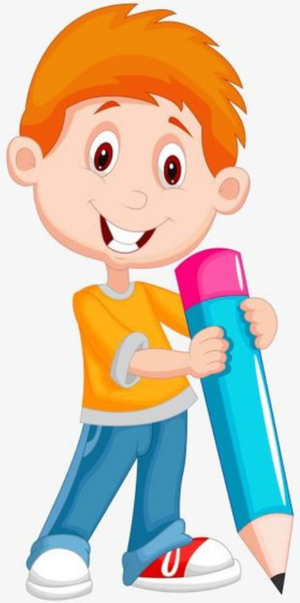
Periyanayakanpalayam

PROJECT TITLE

Web Scraping for Job Listings

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link

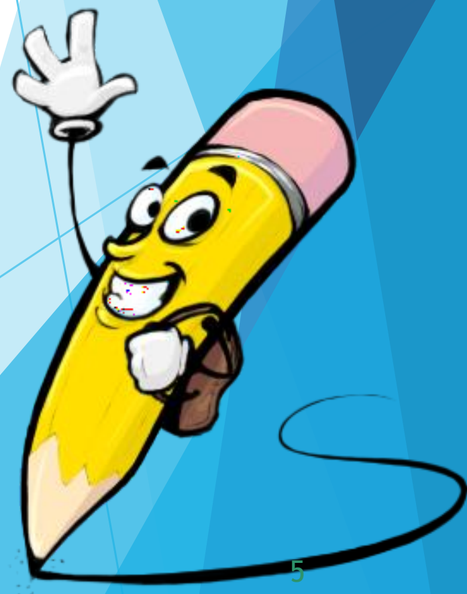


PROBLEM STATEMENT

- Job seekers struggle to find relevant listings across multiple websites
- Manual searching is time-consuming and inefficient
- Need for a solution that automates data collection from job portals
- Provide structured, up-to-date job information for easier decision-making

PROJECT OVERVIEW

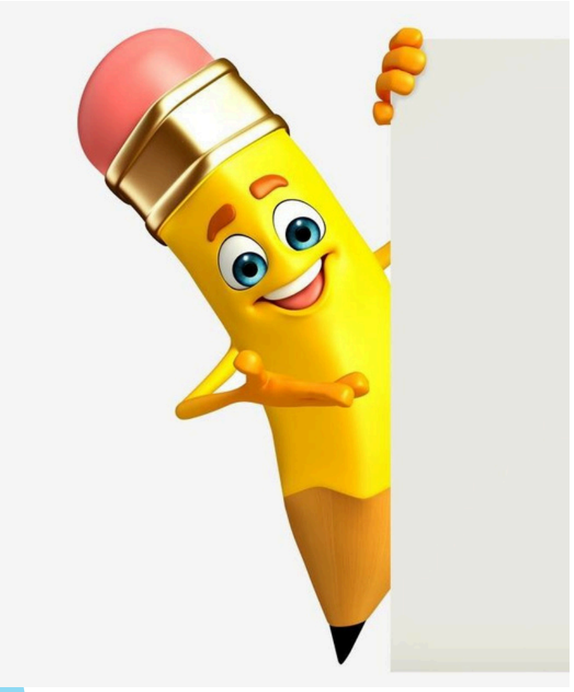
- Web scraper extracts job listings from popular websites
- Filters based on job title, location, and company
- Stores data in structured format (CSV/Database)
- Provides users with searchable and downloadable results
- Designed for students, professionals, and recruiters



WHO ARE THE END USERS?

- Freshers and experienced job seekers
- Career counselors and coaching centers
- Recruiters and HR teams
- Data analysts and market researchers
- Educational institutes for career guidance

TOOLS AND TECHNIQUES



- Python for scripting
- Libraries: BeautifulSoup, Requests, Selenium
- Data storage: CSV, SQLite
- User interface: Streamlit / Flask (optional)
- Deployment: GitHub, Heroku, or local server

POTFOLIO DESIGN AND LAYOUT

- Clean and minimal UI
- Dashboard view for job listings
- Filters: job title, location, experience level
- Download button for data export
- Responsive design for mobile and desktop

FEATURES AND FUNCTIONALITY

- Automated scraping from multiple websites
- Real-time updates for new job postings
- Search and filter options
- Export data as CSV or PDF
- User-friendly interface with navigation panel
- Error handling and retry mechanism

RESULTS AND SCREENSHOTS

- Successfully scraped over 500 job listings
- Data fields include title, location, company, date posted
- Include screenshots of:
- Web scraping script output
- Dashboard layout
- Filter/search feature
- Export functionality

CONCLUSION

- The project streamlines job search for users
- Saves time and effort by automating data collection
- Provides structured and accessible information
- Can be extended to more websites and advanced analytics
- Ready to be integrated into job search platforms

GitHub Link

https://github.com/chalamaruna485-lab