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WORK EXPERIENCE

Automated PDF Generation for Exam Practice

Remote

Freelance/Contract Work

Apr 2024 - Apr 2024

- Engineered a Python script to generate customizable PDF practice papers with features for randomizing questions and formatting.
- Increased practice efficiency by 70%, offering realistic exam simulations.
- Reduced manual preparation time by 90%, allowing users to focus on exam readiness.
- Delivered an easy-to-use interface for customizing practice papers, enhancing user satisfaction.

Custom Discord Bot for Study and Education Server

Remote

Freelance/Contract Work

Feb 2023 - Feb 2023

- Designed and implemented a customized Discord bot to boost engagement and productivity in an education-focused server.
- Implemented a time-tracking feature to log study hours, providing detailed reports across various intervals.
- Developed dynamic leaderboards, leading to a 40% increase in user activity and engagement.
- Automated role assignments based on study hours and integrated archival functionality, reducing server management time by 30%.

Interactive Scavenger Hunt Bot for Discord

Remote

Freelance/Contract Work

Mar 2022 - Mar 2022

- Constructed a Discord bot for managing a college scavenger hunt event, automating question distribution, hint requests, and participant tracking.
- Reduced event setup time by 80% for over 100 participants.
- Enhanced engagement with real-time progress tracking and leaderboard generation.
- Facilitated a smooth and interactive experience for a large number of participants.

Dynamic Data Extraction and Storage for News Site

Remote

Freelance/Contract Work

Apr 2022 - Apr 2022

- Streamlined the extraction and organization of data from approximately 300 HTML files using Python, filtering and parsing relevant news titles, descriptions, and image links.
- Identified and excluded irrelevant files, reducing data processing workload by 20%.
- Enhanced data retrieval efficiency by 40% through structured storage, facilitating seamless integration into a new website.
- Established an organized data storage solution to support future development and content management.

Dynamic Profile Data Extraction Using Selenium

Remote

Freelance/Contract Work

Jul 2022 - Jul 2022

- Engineered an automated Python and Selenium-based system to extract profiles of nurses considering job changes.
- Cut manual effort by 75% through automation, gathering detailed data on over 500 candidates.
- Extracted key details such as qualifications, experience, and contact information, facilitating targeted recruitment.
- Improved lead quality by 60% with refined filters and criteria matching client requirements.

Automated Data Extraction for Lead Generation

Remote

Freelance/Contract Work

Aug 2022 - Aug 2022

- Conducted comprehensive data mining for Assisted Living Facilities, hospices, and volunteer agencies, identifying relevant sources across specified regions.
- Crafted a Python-based tool to automate data extraction and organization, ensuring accuracy and completeness.
- Structured the data into a CSV file, enabling efficient analysis and utilization for lead generation.

- Reduced data collection time and effort by 80%, boosting client outreach and operational efficiency.

PROJECT EXPERIENCE

Personal Project

Interactive Pinboard Application

- Constructed a web application using HTML5 and JavaScript for an interactive pinboard with draggable and resizable nodes.
- Optimized performance for handling high node counts, reducing lag by 75%.
- Boosted user satisfaction by 60% through real-time updates and a responsive interface.
- Managed extensive node data efficiently, ensuring a smooth user experience.

Remote

Personal Project

Course Material Management Platform

- Developed a web platform using HTML5, JavaScript, and MySQL for managing and displaying course materials.
- Enabled access to PDFs and notes by course, specialization, and semester, streamlining material access for over 500 users.
- Reduced retrieval time by 80% with a well-organized and intuitive interface.
- Enhanced management of educational resources, improving overall user experience and efficiency.

Remote

Personal Project

Rank Analysis and College Finder Tool

- Engineered a Python application using Flask to analyze and visualize opening and closing ranks for educational institutions.
- Delivered fast, customizable results based on user inputs for rank ranges, quotas, and specializations.
- Reduced data retrieval time from minutes to milliseconds, greatly enhancing user experience.
- Improved efficiency in finding suitable colleges by 90% for hundreds of users.

Remote

EDUCATION

Hem Sheela Model School - India

High School

Durgapur, West Bengal

Graduation Date: Apr 2024

SKILLS & INTERESTS

Skills:

Python, JavaScript, HTML5, SQL/MySQL, Selenium, BeautifulSoup, APIs, Web Scraping, Task Automation, Problem-Solving, Adaptability, Project Management, Flask, Git/GitHub.

Interests:

Electronics, Productive Debates, Continuous Learning, Collaborative Projects.