

# AHMAD SHAYAN

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## EXPERIENCE

- Senior Python Developer | Revalize, USA** (Aug 2024 - Present)
  - ★ Python Developer specializing in data ingestion and web scraping.
  - ★ Developed and maintained web crawlers for over 50+ websites across diverse industries.
  - ★ Proficient in Python libraries such as Scrapy, Requests, BeautifulSoup, and Selenium for data extraction and processing.
  - ★ Designed custom scraping solutions tailored to the unique structure and requirements of each website.
  - ★ Automated repetitive tasks to streamline data ingestion processes, enhancing efficiency and accuracy.
  - ★ Collaborated with cross-functional teams to implement scalable and robust data retrieval systems.
- Senior Python Developer | Enlatics, Lahore** (Aug 2023 - July 2024)
  - ★ Employed as a Python Developer specializing in web scraping and Selenium automation.
  - ★ Proficient in creating web crawlers for approximately 250+ diverse websites spanning various industries.
  - ★ Utilized a range of Python libraries and tools, including Requests, BeautifulSoup, Scrapy, and Selenium, to extract and manipulate data from websites.
  - ★ Designed and implemented custom scraping solutions tailored to the unique structure and content of each website.
  - ★ Collaborated with cross-functional teams to automate repetitive tasks and streamline data retrieval processes, contributing to increased efficiency and accuracy.
- Software Engineer | Arbisoft, Lahore** (Jul 2022 - Aug 2023)
  - ★ Built RESTful APIs for an e-commerce platform, leveraging Scrapy for efficient web scraping and data integration.
  - ★ Consistently delivered well-structured and maintainable code for projects, promoting smoother development processes.
  - ★ Enhanced Git skills through regular practice, ensuring efficient version control and collaboration within the team.
  - ★ Throughout this experience, I had the opportunity to work under the guidance of a skilled mentor.

## TECHNICAL SKILLS

- Python
- Web Scraping
- Selenium
- BeautifulSoup
- Scrapy
- HTML/CSS
- Javascript
- Automation
- Database
- Git & GitHub

## PROJECTS

- Automated Google Search Crawler**
  - ★ Developed a robust Python tool for continuous, 24/7 web scraping on Amazon Workspaces, compatible with Chrome versions 104 onwards.
  - ★ Extracted and organized search results from US-based Google, handling various search criteria and Google operators.
  - ★ Generated CSV files with three columns (phrase, URL number, URL) and corresponding screenshots, highlighting results in the same order.
  - ★ Incorporated random mouse movements, scrolling, and adjustable wait times for natural user interaction, enhancing realism.
  - ★ Configurable parameters via files, error-handling mechanisms, and persistent program operation for enhanced reliability.
  - ★ Successfully managed Google search operators (site: quotation marks), ensuring adaptability to diverse search scenarios.
  - ★ Optimized for scalability, efficient processing of large keyword lists, and prevention of memory crashes during extended operations.
- Job Data Scraper and Filtering Automation - Indeed**
  - ★ Developed Python scripts for automated job data extraction and filtering from Indeed. Implemented Selenium-based web scraping for dynamic filtering across various time spans. Captured comprehensive details, including company name, position, location, and date posted.
  - ★ Managed CAPTCHA challenges, incorporated error handling, and generated real-time logs. Conducted subsequent filtering automation to exclude entries with dollar signs and expired jobs. Validated URLs and optimized scripts for headless browsing, ensuring efficiency.
  - ★ Enhanced accuracy and efficiency in job data collection, contributing to seamless analysis. Completed deep data scraping and implemented robust filtering mechanisms.
- Real Estate Data Extraction from Archive.org Python-Based Scraping Project**
  - ★ Engineered a Python web scraping script to extract real estate data with precision and efficiency. Automated the retrieval of property details, including size, location, and pricing, ensuring accuracy. Implemented robust error-handling mechanisms for reliable data extraction.
  - ★ Integrated geographical data extraction to enhance property location precision.
  - ★ Structured and stored information in CSV format for streamlined data management.
- e-Commerce Web Crawler**
  - ★ Built a Scrapy-powered web scraper to collect product data from e-commerce sites. Employed data engineering techniques for efficient storage and organization. Scheduled regular updates for real-time information.
  - ★ Extracted essential details: names, prices, descriptions, and images. Proficient in Python, Scrapy, web scraping, and data engineering.

## EDUCATION

- BS Computer Science | The Islamia University of Bahawalpur, Punjab CGPA: 3.4/4.0 | (Aug 2019 - Jun 2023)
- Intermediate | Govt. College Dera Nawab Sahib, Bahawalpur Grade B | (2017-2019)

## SOFT SKILLS

- Communication
- Problem-Solving
- Collaboration
- Team Work
- Time Management
- Self Motivation
- Creativity
- Presentation

## HOBBIES

- Traveling | ( Instagram )
- Gaming
- Reading/Listening Books