

FAHAD AKRAM

Web Scraping Engineer | Data Mining Expert

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OBJECTIVE:

Experienced data professional with a strong background in web scraping, data extraction, and automation. Skilled in Python, Scrapy, Selenium, BeautifulSoup, and APIs to gather and analyze web data efficiently. Adept at building scalable scraping solutions, optimizing data pipelines, and ensuring data integrity. Seeking a role where I can leverage my technical expertise and problem-solving skills to drive data-driven insights and business growth.

SKILLS:

- Scrapy, BeautifulSoup, Selenium
- Automated data pipelines
- SQL, NoSQL databases
- Proxy & CAPTCHA handling
- WebSockets & real-time data extraction
- RESTful APIs, GraphQL

WORK EXPERIENCE:

Web Scraping Engineer

Mar 2024 – Present (1 yr 2 mos)

SCRAPE BYTE, Gujrat, Pakistan

- Built scrapers using Scrapy, Selenium, and Playwright for dynamic and session-based websites.
- Extracted public notices from ncnotices.com and texaspublicnotices.com, handling sessions and solving mandatory CAPTCHA via 2Captcha.
- Used open-source LLaMA/DeepSeek models to extract structured data from unstructured notice descriptions.
- Scraped 2.2M+ records from Goodreads by reverse-engineering GraphQL APIs.
- Gained hands-on experience with function calling using OpenAI and DeepSeek for structured information extraction.

Final Year Project (FYP)

AI-Powered Job Recommendation System with Advanced Data Engineering

- Built Django-based job portal with real-time job scraping and automated data updates via cron jobs.
- Parsed resumes using LLaMA 3.2, extracting complete user details to auto-fill signup forms seamlessly.
- Designed REST APIs and a responsive frontend using HTML, CSS, and Bootstrap for personalized job recommendations.
- Adding modules for companies and individuals to post jobs

EDUCATION:

Bachelor's Degree in Computer Science

— 2021 - 2025

University of Gujrat | Mandi Bahauddin, Punjab, Pakistan

INTERESTS:

Web Scraping & Automation, AI-Powered Data Extraction & NLP, Building Scalable Data Pipelines, Backend Development with Django, Exploring Open-Source AI Models