Muhammad Zeeshan Afzal

📍 Lahore, Punjab, Pakistan

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PROFESSIONAL EXPERIENCE

AI/ML Intern
Pixelpk Technologies – Lahore
Feb 2024 – Present

- Developed machine learning models for various applications, significantly enhancing prediction accuracy.
- Preprocessed and cleaned complex datasets using **Pandas** and **NumPy**, ensuring data quality and integrity.
- Collaborated with cross-functional teams to deploy **AI-driven solutions** in real-world environments.

PROJECTS

1. Web Scraping for Legal Research

- Scraped case details, judgments, and statutes from over 10 legal websites, including:
  PakistanLawSite, SupremeCourt, LahoreHighCourt, PeshawarHighCourt, SindhHighCourt, IslamabadHighCourt, BalochistanHighCourt, SindhServiceTribunal
- Automated data extraction and stored thousands of records in structured **JSON** format for legal analysis.
- **Tools:** Python, Selenium, Pandas

2. E-Commerce Data Scraping

- Scraped and compiled course and program information from:
  ABGee.co.uk, SloShoes.com
- Converted raw web data into clean **JSON** files.
- **Tools:** Python, Selenium, Pandas

3. Australian Education Data Scraper

- Extracted and refined product data (name, price, features, images(URLs)) from:
  search.studyaustralia.gov.au , deltaimmigration.com.au
- including course titles, institutions, durations, study levels, and qualification types. Saved data in CSV format for structured reference.

4. Social Media & Legal Data Extraction (Ongoing)

- Currently developing scrapers for **Instagram.com** and **DigiLawyer.org** to collect structured legal and social media data.
- From *DigiLawyer.org*: Extracting legal statutes along with their corresponding judgments, categorized by statute and section.
- From *Instagram.com*: Capturing user profile data (username, bio/description), following list, their last three posts, and comment activity (whether the user commented and how many days ago).

Pakistan Law Bot

- Created an **AI-powered legal assistant** that provides insights into Pakistani laws.
- Used **Hugging Face Transformers**, **OpenAI API**, **Gemini API** and **RAG.**
- Built a **Flask API** to serve responses via a user-friendly web interface.
- Cleaned and processed large legal datasets using **Pandas** and **NumPy**.

EDUCATION

- **University of Okara**   2019 – 2023
  Bachelor of Science in Software Engineering
- **Punjab College**
  Intermediate in Computer Science   2017 – 2018

TECHNICAL SKILLS

- **AI/ML:** Transformers, Generative AI (Gemini, Stable Diffusion), Scikit-learn
- **Data Handling:** Pandas, NumPy, Matplotlib, Python
- **Web Development:** Flask, HTML/CSS, Bootstrap
- **Web Scraping:** Selenium