

SAJJAD HUSSAIN

Data Engineer | Python Development | ETL Pipelines | Web Automation

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EXPERIENCE

Freelancer

Fiverr

02/2022 - Present • Remote | Pakistan

- Delivered a wide range of Python development, data engineering, and web automation projects for international clients
- Designed data extraction and automation solutions tailored to each client's specific business needs
- Wrote custom scripts to process, clean, and store structured data in CSV and SQL formats
- Engineered reliable scraping and automation systems using modern anti-detection techniques
- Achieved and maintained Level 1 Seller status through consistent quality, client satisfaction and on-time delivery
- Liaised with clients across multiple countries to clarify requirements and ensure high-quality outcomes
- Streamlined repetitive business processes through automation, cutting manual workload for clients

Junior Software Engineering 03 Month Intern

Enigmatix

• Bahawalpur, Pakistan

- Contributed to the development and testing of software applications using Python and modern tooling, under senior developer guidance
- Assisted with debugging and performance troubleshooting to improve application stability
- Supported data-processing and automation tasks that streamlined internal workflows
- Applied the full software development lifecycle (SDLC)—coding, testing, and deployment—on small-scale modules as part of a team
- Took part in peer code reviews, adopting best practices for clean, maintainable code and clear documentation

Data Engineer

Intern

Code Apex

• Islamabad, Pakistan

- Designed and implemented scalable ETL pipelines to extract, transform, and load large datasets from multiple sources
- Built advanced web automation and data-extraction systems using Python, Selenium, and BeautifulSoup
- Cleaned and standardized structured and unstructured data to maintain high data quality and consistency
- Optimized SQL-based data storage through efficient schema and database design
- Implemented proxy rotation and anti-detection mechanisms to support reliable large-scale data collection
- Prepared datasets and supported model-training workflows for AI-based projects
- Reduced manual workload by automating repetitive data-handling tasks, improving overall efficiency

PROJECTS

AI-Based Plant Disease Detection System

- Built a deep learning image-classification model with CNN, TensorFlow and Keras to identify plant diseases from images
- Applied data preprocessing, augmentation, model training, evaluation and optimization to improve accuracy

Large Language Model (LLM) Training & NLP Pipeline

- Developed an NLP pipeline for collecting, preprocessing, and analyzing text data from large datasets
- Explored text-processing methods, model training techniques and AI-based language generation workflows

SUMMARY

Software Engineering graduate with hands-on experience in Python development, data engineering, and applied AI. Skilled in building ETL pipelines, web automation and scraping systems, and deep learning models for computer vision and NLP tasks. A Level 1 rated Fiverr freelancer with a track record of delivering reliable, client-focused solutions across multiple industries. Now seeking to pursue a Master's degree to deepen research expertise and build AI solutions with real-world impact.

KEY ACHIEVEMENTS

◆ Client Satisfaction Success

Achieved 96% client satisfaction rate on Fiverr with over 200 projects delivered successfully.

◆ ETL Pipeline Optimization

Increased data processing speed by 50% through optimized ETL pipeline design.

◆ Manual Workload Reduction

Automated 250,000 data entries monthly, cutting client manual workload by 80%.

◆ Web Scraping Enhancement

Improved data extraction accuracy by 40% using advanced web scraping techniques.

EDUCATION

Bachelor of Science in Software Engineering

The Islamia University of Bahawalpur (IUB)

CGPA

3.79 / 4.00

08/2022 - 07/2026 • Bahawalpur, Pakistan

Relevant Coursework: AI & Machine Learning, Data Structures & Algorithms, Database Systems, Software Design & Development, Web Technologies, Computer Networks, Operating Systems, Software Engineering Principles

Higher Secondary School Certificate (HSSC) – Pre-Engineering

Board of Intermediate & Secondary Education

GPA

1031 / 1100

09/2019 - 01/2022 • Dera Ghazi Khan, Pakistan

Secondary School Certificate (SSC) – Science

Muslim Science Public High School

GPA

1037 / 1100

04/2017 - 07/2019 • Kot Sultan, Pakistan

SKILLS

Programming & Data

PythonSQLOOPPandasNumPy

Data PreprocessingFeature Engineering

Data Visualization

Machine Learning & AI

Machine LearningDeep LearningComputer Vision

CNNYOLOTensorFlowPyTorchKeras

Scikit-learnOpenCVLLMsGenerative AI

Prompt EngineeringModel Training & Optimization

Bol.com Web Scrapping & Automation Bot

- Built an automated data-extraction solution with Python, Selenium, and BeautifulSoup to collect product information from an e-commerce platform
- Implemented data cleaning, parsing and structured storage for the collected data

Triveturia.com Data Extraction Bot

- Created a web automation and scraping system to extract and organize website data using Python-based tools

Instagram Data Collection & Automation Bot

- Built an automation tool to collect publicly available social media data, handling dynamic web elements with Selenium and Playwright

YOLO-Based Object Detection System

- Implemented a computer vision model with YOLO for real-time object detection and image analysis
- Handled dataset preparation, model training, and performance evaluation

Customer Churn Prediction Model

- Built a machine learning pipeline to predict customer behavior using data preprocessing, feature engineering and classification algorithms

Large-Scale Data Engineering Pipeline

- Designed data-processing workflows to handle and transform large datasets using Python, Pandas and NumPy

Full-Stack Web Applications

- Built responsive web applications using HTML, CSS, JavaScript, React, and backend technologies with database integration

Amazon KDP Book Formatting & Data Processing Automation

- Created automated workflows for document formatting, data processing, and content preparation for digital publishing

Model Evaluation

Automation & Web

Selenium

Playwright

BeautifulSoup

Scrapy

Requests

Web Scrapping

Browser Automation

Proxy Integration

API Integration

FastAPI

Flask

REST APIs

Databases & Tools

MySQL

PostgreSQL

Git

GitHub

Docker

VS Code

Jupyter Notebook

Google Colab

Kaggle

Microsoft Excel

Microsoft Word

Professional

Analytical Thinking

Problem Solving

Team Collaboration

CERTIFICATIONS

Python Programming Certification

Python Fundamentals, OOP, Data Handling and Automation

Data Engineering Certification

Data Processing, Extraction, ETL Pipelines, Large-Scale Data Handling

Artificial Intelligence & Machine Learning Certification

ML Algorithms, Deep Learning, Model Training & Evaluation

Deep Learning Internship Training Certification

DevCastle Software House (NAVTTTC Certified Program)

AI & Machine Learning Training Program Certification

CAS (Artificial Intelligence, ML, Deep Learning)

Web Scrapping & Data Automation Certification

Selenium, Playwright, BeautifulSoup, Data Extraction

Computer Vision Certification

CNN, YOLO Object Detection, Image Processing

TRAINING / COURSES

AI Engineering

Center for Advanced Studies (CAS)

Deep Learning Internship

DevCastle Software House (NAVTTTC Certified)

LANGUAGES

English

Proficient

Urdu

Native

Saraiki

Native

Punjabi

Native