



MOHSAN YASEEN

Python/ Backend Developer

 Lahore, Pakistan

Experienced **Python/ Backend Developer** with a passion for crafting **innovative solutions**. Adept at turning complex challenges into elegant, efficient code. Specialized in **automation, data extraction, and API development**. Proven track record in seamlessly integrating diverse technologies to drive project success. Committed to delivering **high-quality software** solutions and eager to contribute to cutting-edge projects in a dynamic work environment.

CONTACT

Phone 1: +923497562001

Phone 2: +923445162050

Email: mohsanyaseen.dev@gmail.com

LinkedIn: [mohsan-yaseen](#)

GitHub: [Mohsan57](#)

TECHNICAL SKILLS

- Python (FastAPI, Flask, Django)
- JavaScript (jQuery, Ajax)
- Web Scraping
- Restful APIs
- Oracle / MySQL / PostgreSQL
- Redis
- Git
- ML / Computer Visio

TOOLS

- Postman
- Google Cloud
- Ubuntu

PROFESSIONAL EXPERIENCE

1. HRMatrix:

Jan 2024 – continue

Python Developer

As a Python Developer at HRMatrix, a **project-based company** located in the **USA**, I specialize in **integrating AI models** and **building Restful APIs**. My role revolves around seamlessly **integrating Django frameworks** with AI models to develop robust and efficient APIs. This involves ensuring the smooth communication between **AI functionalities and the APIs**, contributing to the overall project success.

- Spearheaded the development of **AI Survey Bot**, enhancing **HRMatrix's software** suite and providing advanced survey capabilities to clients.
- Seamlessly **integrated AI functionalities** such as Resume Parsing and **Interview Bot** into existing HRMatrix software, optimizing workflows and improving user experience.
- Contributed to the enhancement of HRMatrix's product offerings by developing AI solutions like AI Interview Bot and AI Survey Bot, aligning with the company's **focus on innovative HR technology**.
- Played a pivotal role in the implementation of **AI Face Attendance** feature within HRMatrix's software, leveraging Python development skills to **ensure accuracy and efficiency** in attendance management.

2. TecSpine:

Aug 2023 – Jan 2024

Python Developer

As a Python Developer at TecSpine, I play a pivotal role in developing and maintaining various software components. My core responsibilities encompass **Web Scraping, API Development, Backend Development, Database Design, Collaboration, and testing**.

- Spearheaded key initiatives to enhance data retrieval efficiency, **automate email** data integration into **Monday.com**, and implement robust solutions for data **extraction from eBay**.
- Leveraged diverse technologies including **pandas, Django, PostgreSQL, Redis, Flask, BeautifulSoup, and JSON** to optimize processes and ensure data consistency.
- Engineered backend APIs resulting in an **90% reduction in lengthy data processing** times by transforming US listing data from CSV files into a **streamlined database**, utilizing **Django, PostgreSQL, JSON, and Redis**.

INTERPERSONAL SKILLS

- Problem-Solving
- Collaboration
- Adaptability
- Active learning

LANGUAGES

- English
- Urdu

- Designed and implemented a comprehensive solution for **data extraction** from **eBay**, integrating custom filters and queries to curate **relevant information and generate CVs**. Utilized Flask, BeautifulSoup, Scraper API, pandas, and JSON, and implemented a **scheduler to automate** periodic **data scraping**, resulting in a **65% increase** in data volume.

3. PMS (Pvt.) Ltd.

Jun 2022 – Aug 2022

Oracle Developer Intern

Two-month internship at **PMS (Pvt.) Ltd.**, specializing in **Oracle Database** design development using **Oracle 6i and 10g tools**. Contributed to the **WAPDA** Project by designing and implementing databases, forms, and reports for multiple modules.

EDUCATION

BS Software Engineering

Sep 2019 – Jul 2023

The University of Lahore (UOL)
CGPA: 3.04

COURSEWORK

AI-Based Caption Generating	Personal Project	March 2024 – Continue
<ul style="list-style-type: none">Leveraging state-of-the-art techniques including semantic segmentation, and natural language processing with models like GPT, to automatically generate descriptive captions for images.Designing and refining a sophisticated pipeline that integrates computer vision and deep learning methodologies, aimed at enhancing the quality and coherence of generated captions, thus contributing to advancing the understanding of visual data by machines.Demonstrating expertise in artificial intelligence and machine learning through meticulous experimentation and continuous improvement of the image captioning pipeline, showcasing a commitment to pushing technological boundaries to address real-world challenges in the realm of computer vision and natural language understanding.Actively engaged in research and development activities focused on advancing AI-based image captioning technology, with a strong emphasis on innovation and problem-solving, reflecting a proactive approach to driving technological advancements in the field of artificial intelligence.		
AI-Based Surveillance System	FYP	Feb 2023 – April 2023
<ul style="list-style-type: none">Developed a cutting-edge web application utilizing deep learning and computer vision technologies to enable real-time tracking and re-identification of individuals in videos and live camera feeds.Utilized Python, HTML, CSS, and JavaScript to create an immersive user experience and facilitate seamless surveillance operations.Technologies: Python, Machine Learning, Computer Vision, HTML, CSS, JavaScript Implemented Machine Learning (OpenCV & TensorFlow) for object detection and re-identification		

CERTIFICATIONS

- ✓ [Machine Learning with Python](#)
- ✓ [Certificate of Participation Generative AI Applications](#)
- ✓ [Python Flask](#)
- ✓ [Postman API Fundamentals Student Expert](#)
- ✓ [Google Cloud Certified Professional Cloud Architect](#)

ACHIEVEMENTS

1. AIEF 1st National AI Championship (Jul-2023):

- Selected as one of the **top 30 AI projects** out of 200 at the AI Championship organized by **LUMS University, FAST University, Soliton Technologies**, and the **Artificial Intelligence Education Foundation**.
- **Awarded a certificate** for outstanding participation and performance in the competition.

2. AI Applications – WowDAO (Oct-2023):

- Participated in the Global AI **Hackathon** organized by WowDAO
- Showcased skills, learned, and networked within a dynamic and diverse environment
- Grateful for the **opportunity and eagerly anticipating** future events for continued growth and collaboration

3. Ignite funding (2023):

- Project selected for Ignite funding **among 8,000 out of 25,000** applicants
Recognized for **innovation and potential** impact among a competitive pool of projects.