

# Hassan Ikram

Manchester, United Kingdom

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## PROFILE

Experienced Python developer with 3+ years of experience in web development, DevOps, web automation, scripting, and server integration and management. Recognized for developing robust and scalable backend architectures, optimizing performance, and ensuring seamless integration between front-end and back-end systems looking to pursue challenges and rewarding opportunities in python development.

## WORK EXPERIENCE

### Top-Rated AI, Automation and Backend Developer | [Self-Employed \(FreeLancer\)](#) Oct 2021 to Ongoing

- Fine-tuned state-of-the-art Large Language Models (LLMs) to tailor them for business-specific use cases, including content categorization, legal databases, scraped information analysis and giving own review.
- Developed backend systems from scratch, deploying them on web servers, and maintaining error and request logs, reduced server response time and improved overall experience.
- Developed robust web automation scripts using Python libraries (Requests, Selenium, Scrapy) to automate web interactions and data extraction for platforms like LinkedIn and CMS.
- Designed and implemented scalable backend architectures with Python and Fast API and created RESTful APIs for AI powered solutions and integrated various API services based on the use cases.
- Managed and Maintained AWS accounts, utilizing services like EC2, S3, RDS, and Lambda, and optimized database queries to ensure efficient data handling and reduced AWS infrastructure costs through efficient resource allocation and query optimization, while maintaining system performance.
- Implemented security best practices such as authentication, authorization, and data encryption.

### Frontend Developer | [Nutrifactor](#)

Apr 2021 to July 2021

- Managed and modified company website ensuring seamless user experiences and visual appeal. Improved the order tracking page to enhance interactivity and responsiveness and increased customer engagement and resolved issues related to it.
- Developed a management system, to assist in company hiring process reducing time-to-hire and improving company and candidate experience.
- Built and contributed to a mobile application for field force management, delivering a cross-platform solution, improving keeping logs of every order and increased field force productivity.

- Deployed and managed frontend applications on AWS and Heroku, ensuring scalability, reliability, and streamlined continuous integration. Collaborated with backend developers to integrate APIs and ensure smooth data flow between the front and back ends.

## EDUCATION & QUALIFICATIONS

Manchester Metropolitan University - M.Sc. Artificial Intelligence, Distinction

2024

Dissertation Topic: Advanced Liver Tumour Segmentation through Swin Transformer and Efficient Net: A Hybrid Deep Learning Approach for Image Segmentation.

Government College University Faisalabad - B.Sc. (Hons) Software Engineering, 3.55 CGPA 2021

Final Year Project on Plant leaf disease detection mobile app using Image Processing.

## Technical Skills

- **Languages:** Python, JavaScript, TypeScript, C#, SQL and Bash
- **Frameworks and Libraries:** Django, FastAPI, ReactJS, NextJS, React Native, Redux, Pytest, SQL Alchemy, Mongoose, Tensorflow, Pytorch, Sklearn, Selenium
- **DevOps:** Docker, Jenkins, Azure, AWS (SQS, S3, EC2, Lambda etc).
- **Version Control:** Git/Github
- **OS:** Windows and Linux.
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis
- **Other:** OpenAI, Jupyter Notebook, MS Office, Scripting and Automation, Logging and Error Management

## Interpersonal Skills

- Good Communicator
- Adaptive and Attentive Person
- Problem Solver

## Awards and Scholarships

- OpenDoors Masters scholarship winner in Computer and Data Science Field in 2021.
- PM Laptop Scheme based on distinction.
- Stipendium Hungaricum scholarship winner.

## Languages

English; Urdu