

Hasnain Murtaza Syed

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EDUCATION

Anglia Ruskin University

Master of Science in Artificial Intelligence

Cambridge, UK

Jan. 2024 – May 2025

EXPERIENCE

Web Scraping Expert

Fiverr(Freelance)

Oct 2020 – March 2023

Remote

- Utilized web scraping techniques to collect 4 million records in 3 days with up-to-date accuracy and reliability.
- Utilized Requests and Selenium libraries to achieve 99% accuracy in web scraping efficiency and accuracy.
- Successfully handled anti-scraping measures and captchas to ensure uninterrupted data collection.

Junior Data Engineer

Bitzzworld

Feb. 2023 – August 2023

Remote

- Improved data quality and accessibility by analyzing complex data requirements and designing data pipelines.
- Collaborated with senior data engineers to design, develop, and maintain data infrastructure and pipelines.
- Developed and maintained ETL workflows, optimizing data processing and storage efficiency.

PROJECTS

Semantic Segmentation using Segformer | *Python, Pytorch, HuggingFace*

Feb 2024 – April 2024

- Utilized Segformer model for landslide segmentation in remotely sensed imagery, leveraging its multi-scale attention mechanism and long-range dependency modeling capabilities.
- Achieved state-of-the-art on combined UAV and SAT dataset with IoU score of 82.782%, improving by 2.67%.
- Outperformed previous best on SAT dataset with IoU score of 72.088%, improving by 3.9%.

GPT-2 from Scratch | *Python, Pytorch*

May 2024 – Present

- Developed a Transformer-based language model from scratch using PyTorch.
- Implemented efficient data preprocessing and tokenization pipelines.
- Integrated text generation capabilities, enabling coherent and contextually relevant text sequence generation.

TECHNICAL SKILLS

Languages: Python, Javascript

Frameworks: Tensorflow, Pytorch

Developer Tools: Git, Docker, AWS Sagemaker

Libraries: Pandas, NumPy, Matplotlib, HuggingFace, Selenium, MongoDB