

YASMEEN AZMAT ALI

AI/ML Engineer

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PROFILE

First-Class MSc Artificial Intelligence graduate (Ranked #1 in Program) with hands-on experience building real-time machine learning pipelines, NLP systems, and analytics dashboards. Proficient in Python, Apache Spark, Kafka, MongoDB, and Django. Passionate about deploying scalable AI solutions in remote, distributed teams. Seeking Remote AI/ML Engineering or Data Science internship opportunities.

EDUCATION

MSc, Artificial Intelligence | University of West London — UK 2024 - 2025

- Graduated with First Class Distinction — Ranked #1 in MSc AI Program

BSc, Computer Science | Capital University of Science and Technology — Islamabad, Pakistan 2019 - 2022

PROFESSIONAL EXPERIENCE

AI Research Project — Master's Dissertation University of West London | Jun 2025 - Sep 2025

- Architected a cloud-based, real-time Twitter sentiment analysis pipeline using Apache Kafka and Spark Structured Streaming.
- Trained and deployed multilingual NLP sentiment classification models integrated into a live streaming workflow.
- Built a live analytics dashboard for real-time monitoring using Django and MongoDB.
- Designed scalable preprocessing, evaluation, and deployment pipelines for continuous, large-scale tweet data.

Internship Trainer — Android & Software Development TEGIC, Islamabad, Pakistan | Oct 2022 - Dec 2022

- Gained hands-on experience in Android development and collaborative software project workflows.
- Assisted development teams with real-world application modules and debugging practices.

TECHNICAL PROJECTS

Real-Time Twitter Sentiment Analysis System MSc Dissertation

- End-to-end NLP pipeline: Kafka ingestion → Spark Structured Streaming → multilingual model inference → MongoDB → Django dashboard.
- Designed for continuous, large-scale streaming data processing with production-style sentiment analytics.
- Stack:** Python, Apache Kafka, Apache Spark, Django, MongoDB.

Pulmonary Fibrosis Progression Detection System Final Year Project

- Built an ML-based web system predicting disease progression from medical imaging datasets.
- Integrated trained Scikit-learn models within a Django healthcare platform with preprocessing pipelines.
- Stack:** Python, Django, Scikit-learn.

SKILLS

AI / Machine Learning: Machine Learning, Deep Learning, NLP, Sentiment Analysis, Model Evaluation & Deployment

Data & Backend: Python, SQL, JavaScript, Django, REST APIs, Pandas, NumPy, Scikit-learn

Big Data / Systems: Apache Spark (Structured Streaming), Apache Kafka, MongoDB

Dev Tools: Git, GitHub, Linux/Ubuntu, VS Code

Languages: English (Fluent), Urdu (Native)