MOOSA QAISAR

Aspiring AI & ML Engineer

RELEVANT EXPERIENCE

- Developed cutting-edge Natural Language Processing(NLP) systems, focusing on optimizing Retrieval-AugmentedGeneration (RAG) to improve large-scale information retrieval and intent classification.
- Developed a hybrid retrieval strategy combining sparse (BM25) and dense (FAISS) methods, followed by a cross-encoder reranking stage to significantly boost context relevance and accuracy.
- Applied complex similarity metrics (e.g., cosine similarity, Euclidean distance) and vector space models for efficient data processing in resource-constrained environments

PAST PROJECTS

AI/ML enthusiast with an engineering mindset, building smart, end-to-end solutions. Passionate about RAG, agents, LLMs & computer vision turning advanced models into real-world impact.

CONTACT

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EDUCATION

UET, Taxila
Bachelor of Science in Computer Engineering

SKILLS

⚡ CNN's ⚡ LLM's

⚡ AI/ML Applications ⚡ Deep Learning

⚡ Computer Vision ⚡ RAG

Moosa Qaisar

Aspiring AI/ML Engineer

TO WHOM IT MAY CONCERN

I am writing to express my enthusiasm for the AI/ML Engineer at AnteMatter as advertised. My passion lies in the complete lifecycle of AI development, from architecting complex systems and training models to integrating them into scaleable business workflows.

Through a series of intensive, hands-on projects, I have cultivated a deep expertise in building robust AI solutions. For instance, I recently engineered an advanced Retrieval-Augmented Generation (RAG) system to query a large and unstructured news dataset. This project required me to develop a sophisticated hybrid retrieval pipeline with a cross-encoder reranking stage, a process that significantly improved the accuracy and reliability of the final output.

My experience is not limited to NLP. I have also developed computer vision systems particularly freelance projects for real-time object detection using frameworks like YOLO and OpenCV, focusing on the trade-offs between speed and accuracy. Furthermore, my engineering foundation is rooted in system-level optimization, as demonstrated in my Final Year Project where I designed and implemented a high-throughput AES hardware accelerator.

I am driven by the challenge of solving complex problems and am adept at quickly learning and applying new technologies to achieve project goals. I am confident that my practical skills in building, optimizing, and deploying AI systems across different domains would make me a valuable asset to your organization.

I am very interested in the opportunity to further discuss how my skills and experiences can contribute to the success of your team at AnteMatter. I have attached my resume and would be grateful for the opportunity to interview at your convenience.

Thank you for your time and consideration. I look forward to hearing from you

MoosaQaisar