



# Mohammed Abdul Qadeer

LLM Application Engineer

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AI engineer focused on production-scale LLM deployment, RAG architectures, and multi-agent automation workflows. Proven track record delivering high-accuracy, scalable inference pipelines in fast-paced environments.

## Work Experience

### LLM Application Engineer

Aug 2025 - Present

PiHex Labs

Building scalable LLM-based data-pipeline and multi-agent products for global clients.

### Associate AI/ML Engineer

Jan 2024 - Aug 2025

Technoidentity

Designed and deployed production RAG and multi-agent LLM systems for L&D automation, resume ranking, and large-scale customer Q&A.

- Built multi-agent onboarding and assessment pipeline using LlamaIndex + Gemini embeddings.
- Created dual-pipeline RAG system (Haystack + Milvus + Llama-3) with Redis caching and SSE streaming.
- Delivered 70% reduction in manual resume screening via OpenAI-powered ranking tool.

### Computer Vision Intern

Jan 2024 - Jul 2024

E-con Systems

Implemented pose-estimation pipelines and optimized inference for edge deployment.

- Achieved 96% accuracy on OpenPose/PersonLab implementation with INT8 quantization.

## Education

### Bachelor of Technology in Artificial Intelligence and Data Science

Aug 2020 - May 2024

IITDM Kurnool

## Skills

### LLM & AI (Advanced)

LangChain, LlamaIndex, Haystack, RAG, Multi-agent, OpenAI API, Gemini, QLoRA, LoRA

### Backend & APIs (Advanced)

FastAPI, Python, SSE, Git

### Databases (Intermediate)

Milvus, Redis, SQL

### Cloud & Infra (Intermediate)

AWS Bedrock, EC2, S3, Docker

## Projects

### Conversational AI Chatbot (LangGraph)

Production multi-agent chatbot with hybrid sparse+dense retrieval and real-time streaming.

- 90% retrieval accuracy in production
- Redis-backed session memory

Technologies: LangGraph, FastAPI, Milvus

Roles: Lead engineer

## Languages

English (Fluent)