

Raja Hammad Naseer

Ilmenau, Germany +49 15252067067 hammadnaseer2230@gmail.com portfolio linkedin github

Professional Summary

AI Developer with 2+ years of production experience, building LLM integrations, RAG pipelines, computer vision systems, and full-stack web applications. Proven track record delivering end-to-end AI solutions and integrating them into production web products via REST APIs.

Technical Skills

AI & LLM	LangChain, OpenAI API, RAG Pipelines, Agentic Workflows, Prompt Engineering
ML & CV	YOLOv8, ONNX Runtime, Model Training & Fine-Tuning, Roboflow, Pose Estimation, ByteTrack
Languages	Python, JavaScript, SQL
Backend & APIs	Node.js, Express.js, REST API Design, Docker, CI/CD, Git
Databases	MongoDB, MySQL

Work Experience

Full-Stack Developer

2024 – 2025

Jataq Technologies — Pakistan

- Eliminated manual customer support bottlenecks, as measured by successful deployment of an LLM-powered support system into a live production product, by architecting a RAG pipeline, engineering the prompt chain, and integrating the solution via REST API into existing web infrastructure.
- Shaped the company's AI tooling strategy, as measured by direct adoption of recommended frameworks into the production stack, by systematically benchmarking competing LLM tools and presenting performance findings to the team.
- Delivered 3 production web applications with zero reported downtime, as measured by successful release and continuous operation under live user traffic, by building full-stack Node.js/React.js systems and maintaining Docker-based CI/CD pipelines end-to-end.

Artificial Intelligence Engineer

2023 – 2024

VisionTech360 — Pakistan

- Deployed a multi-camera face recognition access control platform (EMACS) to production, as measured by live operation across multiple camera installations, by owning the complete ML pipeline: Roboflow labeling, custom YOLOv8 training, ONNX inference, Node.js/Express REST API, and React.js dashboard.
- Reduced model deployment risk, as measured by a zero-friction proof-of-concept to production transition, by containerising all CV inference pipelines with Docker and establishing a repeatable deployment workflow.

Projects

AI Job Application Agent

Python, LangChain, Gemini API

- Reduced a 30+ min manual process to under 2 minutes by building a multi-step agentic pipeline: job extraction → relevance scoring → context-aware LLM generation → PDF export.

AI Debate Agent — Tool-Augmented Reasoning

Python, LangChain, Gemini API, Web Search API

- Demonstrated production-quality agentic design by building an LLM agent with dynamic tool use: live web search grounding, chain-of-thought multi-step reasoning, and structured argument/counterargument output with citation tracking.

Drone Surveillance — Multi-Object Tracking Research

Python, ByteTrack, Kalman Filter, AirSim

- Produced concrete tracking trade-off findings for real-world drone deployment by benchmarking ByteTrack vs. Norfair on accuracy, identity switches, and latency across simulated aerial footage in Microsoft AirSim.

WorkAI — Industrial AI Monitoring Platform

YOLOv8, ONNX, Node.js, React.js, Docker

- Built a full-stack AI monitoring platform exposing pose estimation and face recognition pipelines via REST APIs into a React.js real-time dashboard with MongoDB event logging, containerised for portable deployment.

Education

M.Sc. Computer & Systems Engineering — Technische Universität Ilmenau, Germany

Oct 2025 – Present

B.Sc. Computer Science — SZABIST, Pakistan

2019 – 2023

Certifications & Languages

Certifications Node.js — The Complete Guide (MVC, REST APIs, GraphQL) · Google Data Analytics Professional Certificate

Languages Urdu (Native) · English (C1) · German (B1)