

HUMNA SAQIB

FULL-STACK AI ENGINEER | CHATBOTS · LLM APPS · AUTOMATION

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PROFESSIONAL SUMMARY

Full-Stack AI Engineer with 2+ years of experience building AI-powered applications, LLM workflows, intelligent assistants and scalable web platforms. Works across the AI and full-stack layers: designing LLM pipelines and multi-agent workflows, building backend APIs, integrating external services and deploying production-ready applications. Focused on AI chatbots, RAG-based assistants, conversational interfaces and automation that delivers measurable business value.

TECHNICAL SKILLS

AI and LLM	OpenAI API, LangChain, LangGraph, RAG, FAISS, Multi-Agent Workflows, Groq, Hugging Face Transformers, NLP, Machine Learning, Deep Learning, Reinforcement Learning, TensorFlow, scikit-learn
Backend	Python, FastAPI, Django, Node.js, REST API Design, n8n, Supabase, PostgreSQL, MongoDB, SQL
Frontend	React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Streamlit
DevOps and Testing	Docker, GitHub Actions, CI/CD, Git, GitHub, Linux, Playwright, Postman

EXPERIENCE

Full Stack and AI Developer | DMZ Dev Hub

Feb 2024 – Present

- Build full-stack web applications and AI-powered solutions with scalable backends, responsive frontends and reliable API integrations.
- Develop SaaS platforms, dashboards and database-driven applications using React, Next.js, TypeScript, Python, FastAPI and PostgreSQL.
- Implement RAG pipelines, LLM integrations, AI agents and intelligent workflow automation.
- Support DevOps with Git, Docker, CI/CD workflows, deployment configurations and cloud infrastructure practices.

AI Engineer | Patriote REI (Remote project)

Ongoing

- Automate the employer's workflows and day-to-day company operations end to end, including the property manager workflow and bill handling.
- Build AI agents that take over team tasks such as email handling and routine administration.

SELECTED PROJECTS

- EduWriter.ai** (eduwriter.ai) – AI academic writing engine with structured generation pipelines and citation-aware output. Python, FastAPI, LangGraph, FAISS.
- WriteWisely.ai** (writewisely.ai) – AI content platform with multi-agent Writer and Evaluator workflows, automated research and citation generation.
- Traiveller.ai** (traiveller.ai) – AI travel assistant for personalized itineraries and recommendations using OpenAI and flight APIs.
- NecessaryPulse** (necessarypulse.com) – AI lead generation and outreach automation platform integrating OpenAI, n8n and Supabase.
- Isgen.ai and HumanizerPro.ai** – multilingual AI-content detection and plagiarism analysis; AI text rewriting with OpenAI and Hugging Face.
- IntelliRoads** (final year project) – adaptive traffic signal control with a Double DQN reinforcement learning model trained on SUMO simulation, with a live dashboard; reduced average waiting time by about 47% versus fixed-time control.
- Transformer NER System** – named entity recognition web app with fine-tuned transformers, served with FastAPI and Streamlit. **AI Email Priority Manager** – live email triage with Django and the Groq LLM API.
- CI/CD Pipeline** (DevOps Engineer) – automated build, test and deployment workflow for a Dockerized full-stack application using GitHub Actions.

RESEARCH

"A Paired Evaluation of Double Deep Q-Learning for Adaptive Traffic Signal Control in SUMO"

EDUCATION

BS Software Engineering | University of Management and Technology (UMT), Lahore

Focus on Machine Learning, Deep Learning, NLP, Web Development and Database Systems. Coursework: Generative AI, OOP, Data Structures and Algorithms, Database Systems, Operating Systems.

AWARDS AND CERTIFICATIONS

Awards: Rector Award (Spring 2026, Spring 2025); Dean's Award (Fall 2024, Spring 2024), UMT

Certifications: Claude Code 101, Claude Academy (Oct 2026); Micro1 AI Interview Performance Certificate (Jul 2026); Project Management Professional, Udemy (Jun 2026); Python Developer, SoloLearn (Nov 2025); Career Essentials in GitHub Professional Certificate, GitHub (Aug 2024)