

MAJID ALBADWI

LLM / AI Application Developer (RAG & Agents) | Automation/DevOps

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GitHub: [github.com/ALBADWIMAJID](https://github.com/ALBADWIMAJID)

Portfolio: [albadwimajid.github.io/my-portfolio-/](https://albadwimajid.github.io/my-portfolio-/)

## SUMMARY

- Fourth-year Systems Engineering student at Volgograd State Technical University focused on AI.
- Builds practical LLM applications (RAG chatbots, tool-using agents) and automation workflows (CI/CD, containers, Kubernetes).

## SKILLS

LLM / AI: RAG (Retrieval-Augmented Generation), OpenAI API (Chat Completions), LangChain (Agents & Tools), Embeddings, Semantic search

Vector DB / Search: ChromaDB, LanceDB

Automation / DevOps: Docker, GitHub Actions (CI/CD), Kubernetes (Minikube), NGINX, Linux / CLI

Web: HTML, CSS, JavaScript, TypeScript, React, Vite

## PROJECTS

RAG Telegram Bot (Python) — [github.com/ALBADWIMAJID/rag-telegram-bot](https://github.com/ALBADWIMAJID/rag-telegram-bot)

- Production-ready Telegram bot using RAG: ChromaDB retrieval + OpenAI Chat Completions generation.
- Real-time web-search fallback via Serper API; deployment-ready with .env-based secret management.

hello-docker (Docker, CI/CD, Kubernetes) —  
[github.com/ALBADWIMAJID/hello-docker](https://github.com/ALBADWIMAJID/hello-docker)

- Static page on NGINX in Docker with GitHub Actions build/push and optional deploy workflow.
- Kubernetes (Minikube) Deployment + NodePort Service; rollout/rollback workflow verified.

LangChain WebSearch Agent (Python) —  
[github.com/ALBADWIMAJID/LangChain-WebSearch-Agent](https://github.com/ALBADWIMAJID/LangChain-WebSearch-Agent)

- Smart web search agent using OpenAI + Tavily tools with tool integration and analysis artifacts.

Semantic PDF Search (Python) —  
[github.com/ALBADWIMAJID/semantic\\_pdf\\_search](https://github.com/ALBADWIMAJID/semantic_pdf_search)

- PDF text extraction + OpenAI embeddings + LanceDB semantic search pipeline.

## EDUCATION

B.Sc. in Systems Engineering (in progress, Fourth-year) — Volgograd State Technical University (Faculty of Electronics and Computer Engineering)