

MAJID ALBADWI

Backend Developer (FastAPI) | Data Analyst (Pandas/SQL) | AI (RAG)

Middle East (open to remote)

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GitHub: 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 (VSTU).
- Build REST APIs with FastAPI and SQL-backed services; strong with MySQL (primary) and PostgreSQL (secondary).
- Deliver data analysis and reporting workflows using Pandas + SQL; ship dockerized demos with clear documentation.

SKILLS

Backend: Python, FastAPI, REST APIs, SQL, MySQL, PostgreSQL

Data: Pandas, SQL analytics, data cleaning, EDA, Jupyter

AI (secondary) RAG, embeddings, semantic search, ChromaDB, LanceDB, OpenAI API, LangChain

DevOps: Docker, GitHub Actions (CI/CD), Linux/CLI, NGINX (basic)

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

PROJECTS

Auto-Flashcards — github.com/ALBADWIMAJID/Auto-Flashcards

- Built an AI-assisted learning app that turns PDFs/videos/notes into spaced-repetition flashcards (summaries + Q&A).
- Dockerized for reproducible runs; live demo available.

Student Assignment Platform — github.com/ALBADWIMAJID/student-assignment-platform

- Implemented a multi-role dashboard UI for assignment workflows (student/admin/team views) with auth screens.
- Focused on clean UX for tracking submissions, statuses, and admin actions.

Support AI Docs Parser — [github.com/ALBADWIMAJID \(repo: Support AI Docs Parser\)](https://github.com/ALBADWIMAJID (repo: Support AI Docs Parser))

- Built a pipeline that collects support docs, cleans HTML/PDF, and outputs structured, RAG-ready datasets.

Airbnb Market Insights — [github.com/ALBADWIMAJID \(repo: Airbnb Market Insights\)](https://github.com/ALBADWIMAJID (repo: Airbnb Market Insights))

- EDA and dashboard showing pricing and availability trends (Pandas/Jupyter).

RAG Telegram Bot — github.com/ALBADWIMAJID/rag-telegram-bot

- Telegram bot using retrieval (ChromaDB) + generation (OpenAI Chat Completions); deployable via env-based config.

EDUCATION

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