

# 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/

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## 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](https://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](https://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](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](https://github.com/ALBADWIMAJID) (repo: **Airbnb Market Insights**)

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

### RAG Telegram Bot — [github.com/ALBADWIMAJID](https://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)