

ABDELRAHMAN MOHAMED SHOEERA

Computer Science & Engineering Student

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EDUCATION

The German University in Cairo (GUC)

Expected June 2029

B.Sc. Computer Science and Engineering · **GPA: 1.61 / 4.0 German scale ($\approx$ 3.4 US)**

PROJECTS

Task API — *FastAPI · PostgreSQL · Docker · Supabase*

2026

- Built a full CRUD task management API in FastAPI, backed by PostgreSQL running in Docker with Supabase handling authentication.
- Containerised the full stack for one-command local spin-up; documented setup and endpoints in a spec-driven README.

DoorDasH: Scare vs Laugh Touchdown — *Java · JavaFX · MVC*

GUC · Team of 4

- Turn-based strategy game built in Java following the MVC architecture, with a JavaFX GUI and CSV-driven dynamic game state loading.
- Applied data structures and algorithms to model game state, turn resolution, and player interactions.

Restaurant Management System — *Prolog · Haskell*

GUC · Team of 3

- Built a reservation, scheduling, and inventory system: logic-based validation and staff constraints in Prolog; delivery, expense, and ingredient computation as pure Haskell functions.
- Applied logic and functional programming to real-world optimisation problems (reservations, staff constraints, inventory).

TECHNICAL SKILLS

Programming Python, Java, Prolog, Haskell, C

Databases PostgreSQL, Supabase, SQLite

Tools Git, GitHub, FastAPI

Spoken Arabic (Native), English (Fluent), German (A1)