

MOHAMED ALSAYED

Backend AI Engineer & Full-Stack Developer

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Objective

Backend AI Engineer intern at FlyRank AI and sophomore at Cairo University FCAI. Passionate about AI, Agentic AI, and full-stack development with Next.js, Supabase, and Neon. Experienced in building AI-powered backend solutions, REST APIs, and end-to-end web applications.

EXPERIENCE

Backend AI Engineer Intern — FlyRank AI

Jun 2026 — Present

- Working on AI-powered backend solutions and integrating AI services for web applications
- Building and deploying intelligent systems leveraging local LLMs and Agentic AI architectures

EDUCATION

Bachelor of Computer Science

2024 — 2028

Faculty of Computing and Artificial Intelligence (FCAI), Cairo University

SKILLS

JavaScript • Java • C++ • SQL • Next.js • React.js • Node.js • Supabase & Neon • Git&Github • Linux • APIs • Agentic AI • Machine learning

PROJECTS

FarmOps — Database Manager

2025

[Github Repo](#)

Professional MS SQL Server database management interface with dashboard, CRUD operations, and JOIN queries.

- Dashboard with visual table cards and full CRUD on all tables
- JOIN queries with result visualization and responsive dark theme UI

FCAI-Visualizer

2025

[Github Repo](#)

Contributed to an advanced educational platform for algorithmic and data structure visualization.

- Tree structures with AVL self-balancing, graph traversal (BFS, DFS) and shortest pat
- AI-integrated educational services with sorting and searching algorithm visualizations

Portfolio Template

2025

[Github Repo](#)

Fully-featured portfolio template with Next.js App Router and Supabase, including admin panel for content editing.

- Built with Next.js 16, React 19, Supabase PostgreSQL, and EmailJS
- Implemented secure /admin panel with Supabase email/password authentication
- Form-based CMS with tag inputs and order_index item reordering

BudgetWise

2024

[Github Repo](#)

Desktop personal budgeting application with Java and JavaFX for tracking income/expenses and financial reports.

- User registration, secure login, income/expense tracking with categories
- Per-category budget management with alerts and financial reports with pie/bar charts



Desktop audio player built with JUCE framework featuring dual-player mode and real-time waveform visualization.

- Dual Player Mode with independent playlists and waveform visualization
- Audio Effects: Distortion, Reverse, Tremolo, Pan with A-B Loop and Speed Control

ADDITIONAL INFORMATION

Languages: Arabic (Native), English (Professional)

Awards / Activities: Qualified for Top University — Thanaweya Amma (Science & Math Track)