AHMED AZOOZ

New Cairo, Egypt ◇ +201113321344 ◇ ahmed.mohammed.azzooz@gmail.com ◇ [LinkedIn](#) ◇ [GitHub](#)

EDUCATION

BSc. in Computer Science & Engineering, The German University in Cairo — October 2019 - July 2024
- **Cumulative GPA**: **3.97** American System, **1.03** German System (**Grade A**)
- **Bachelor Thesis**: Image Denoising using Autoencoders (AI/ML Thesis). **Grade A+**.

EXPERIENCE

Software Engineer Intern (Docker, Nginx, Linux, React Remix) — Oct 2025 – Present
Janan Tech — *Remote*

- Deployed **OpenReplay** on Linux server with Docker, Nginx reverse proxy, and HTTPS via Certbot.
- Built and deployed a **Remix landing page** integrated with **OpenReplay** and **Matomo** tracking.
- Integrated **Formspree** for form handling and implemented **i18n** (English, Arabic, German) with RTL/LTR support.
- Performed frontend fixes and UI enhancements for improved user experience.
- Deployed and configured **n8n**, **Mattermost**, and **Rocket.Chat** using Docker.
- Resolved SSL and reverse proxy issues to ensure secure external access.

Fullstack Engineer Intern (NestJS, React Native, MongoDB, Git) — Apr 2025 - June 2025
Qupil — *Remote*

- Built new premium lesson types for Quran learning, increasing daily new subscriber count by **2–3x**.
- Fixed critical bugs blocking payments and user logins, restoring revenue flow.
- Upgraded Stripe API to support Apple Pay & Google Pay with backwards compatibility.
- Shipped voice-recognition feature for speech-based question answering.

Software Engineer Intern — Aug 2022 – Apr 2023
The German University in Cairo — *New Cairo, Egypt*

- Led a team of 5 to design and implement Python-based scheduling algorithms.
- Reduced defense scheduling from **2 weeks to 5 hours** via Genetic Algorithm for **600** students' theses.
- Continued part-time to support testing and development of project.

SKILLS

Technical Skills	NestJS/ Expressjs/ Nodejs, MongoDB, PostgreSQL, React/ React Native, Python, Java, Spring Boot, Git/ GitHub, TensorFlow, Docker
Soft Skills	Problem-Solving, Communication, Teamwork, Adaptability, Critical Thinking

PROJECTS

SpokenHabit — Built a voice-powered habit tracker using **React Native**, **Supabase**, and **Large Language Models**, enabling hands-free habit management. [GitHub](#)

Reverse Proxy — Engineered a secure **Express.js** reverse proxy server featuring weighted load balancing, JWT authentication, rate limiting, and dynamic health checks, fully containerized with **Docker** for easy deployment. [GitHub](#)

Course Website — Developed an e-learning platform using **MongoDB**, **Express.js**, **React**, and **Node.js**, featuring course progress tracking and certificate generation. [GitHub](#)

AICalendar — Implemented an intelligent scheduling system with **React**, **Express.js**, and **Together.ai**, leveraging natural language processing for tutor availability. [GitHub](#)

Task Manager Application — Created a task management web app using **Spring Boot**, **PostgreSQL with Spring JPA**, and **Docker**, implementing CRUD operations. GitHub

Turn-Based City Conquering Game — Designed a strategy game in **Java** with **Java Swing**, implementing city management, army recruitment, and conquest mechanics. GitHub

Image Denoising Autoencoder — Built a deep learning model with **TensorFlow** and **Keras** for image denoising, outperforming BM3D across multiple noise types. Kaggle

ACHIEVEMENTS

- Graduated with High Honors.
- Received a 70% scholarship from the university for being a top high school student from 2019 till 2024.
- Took part in Codeforces contests hosted by the university for Advanced Data Structures & Algorithms course.