

Karim Ahmed

DevOps | Cloud Development | Web Development

CAIRO, EGYPT | +201118808688 | [KARIM.AHMED4815@GMAIL.COM](mailto:KARIM.AHMED4815@GMAIL.COM) | GitHub: [REXMIRAK](#) | LINKEDIN: [KARIM AHMED](#)

Experience

The German University in Cairo | Teaching Assistant

September 2024 - Present

The German University in Cairo (GUC) is a prestigious university in Egypt, known for its rigorous academic programs and strong partnerships with top German institutions. Offering a European-oriented education.

Reference: Prof. Dr. Mervat Aboulkeir Email: [mervat.abuelkheir@guc.edu.eg](mailto:mervat.abuelkheir@guc.edu.eg)

Facilitated hands-on learning for ~60 students in CSEN 701 course [Advanced Computer Lab]. This lab is a practical course that teaches 4th year Computer Science Students web development using the MERN stack.

Clynto | Software Engineer | LinkedIn: [Clynto](#) | Website: [Clynto.com](#)

July 2024 - October 2024

Reference: Eng. Beshoy Louka Email: [beshoy@clynto.com](mailto:beshoy@clynto.com)

Developed and maintained the frontend application using Next.js, React, and Tailwind CSS maintaining CI/CD pipeline  
Contributed extensively to the GitHub frontend repository, consistently being one of the top contributors.

The German University in Cairo | Intern

July 2023 – October 2023

Reference: Prof. Dr. Milad Ghantous Email: [Milad.michel@guc.edu.eg](mailto:Milad.michel@guc.edu.eg)

Served as Scrum Master for a team of four, leading the development of a research-based stress-reduction game.

The Intelligent Question - GUC | President (Extra-Curricular activity)

July 2021 – July 2022

TIQ was established to promote progress through debate, discussion, and discourse. The club provides a platform for students to develop critical thinking and communication skills.

Led the implementation of TIQ's Debate programs, overseeing event organization and adjudication of competitions.

Managed logistics, including coordinating with suppliers for event packages and arranging trips, ensuring smooth execution and a successful experience for participants.

Education

M. Sc. from The German University in Cairo - GUC

September 2024 – Present

Currently working on my Master's Thesis in the area of Cloud Computing Security under the supervision of Prof. Dr. Mervat Abouelkheir, and Prof. Dr. Maggie Mashaly, expected to be finished by summer 2025.

B. Sc. from The German University in Cairo - GUC

September 2019 – July 2024

Majored in Computer Science and Engineering with a Thesis in [3D Reconstruction of Human Characters](#)

Projects

Deployed an E-Commerce WebApp on AWS using Docker and Docker Compose. Services used were EC2, RDS and Route 53. used a bought domain to connect to the server hosted on EC2 and configured Route 53 to map the DNS of the website to the server. The shop can be visited at [boohandmade.store](#)

Developed an integrated healthcare system using the MERN stack in a team of 5 – Available Here

Deployed a webapp be used by GUC students to calculate different types of grades as an individual project - on Github pages – Available Here

Built a postgraduate Database System using ASP.NET and MySQL in a Team of 3

Constructed a desktop application to be used by GUC students to calculate individual course grade, semester GPA and cumulative GPA using Java – Available Here

Certifications

AWS Cloud Practitioner CLF-C02 - [Credly](#)

Skills

Technical Skills

MERN Stack. NextJS & Tailwind  
Restful APIs  
SpringBoot & ASP.NET  
Git Technologies  
Agile Methodology  
Java, Python, C# & C++  
JavaScript & TypeScript  
SQL: MySQL, PostgreSQL  
NoSQL: MongoDB, Firestore DB  
Testing: Jest, JUnit

Machine Learning

LLMs,  
RAG Models

Cybersecurity

Nmap, Nessus, wireshark & kali Linux

Cloud Computing

AWS: Deployment, Security, and AWS  
focused Apps  
GCP and Firebase

VMWare, vSphere  
Docker and Kubernetes

Soft Skills

Problem-solving and Agility  
Communication Skills  
Teamwork and Collaboration  
Time-management

Languages

English (C2), German (A2)