

# ABDELRAHMAN ABDELNASSER GAMAL

SOFTWARE ENGINEER

(CLOUD INTEGRATION)

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## PROFILE SUMMARY

Fresh Computer Science graduate and highly motivated Software Engineer specializing in Django, React, and DevOps. Eager to apply full-stack development and cloud integration skills to build innovative, scalable solutions and contribute to impactful, cloud-driven projects.

## EDUCATION

FACULTY OF COMPUTER AND INFORMATION SCIENCES - AIN SHAMS UNIVERSITY

2021 - 2025

- GPA: (B) WITH HONOR
- GRADUATION PROJECT: AUTOMATED DATA WAREHOUSE SCHEMA GENERATOR (A+)

STEM HIGH SCHOOL FOR BOYS - 6 OF OCTOBER

2018 - 2021

GPA: 4.0

ACTIVITIES AND SOCIETIES: WEBMANGER AT MANY STUDENTS' ACTIVITIES (MUN, MAL, TEDX, IGNITE, IEEE, MORE....)

## EXPERIENCE

Software Engineer | Loop Dimension (Korean Company)

SEP 2024 - CURRENT

- Developed full-stack web applications using Django and React, focusing on scalability, performance, and user experience.
- Streamlined DevOps processes, reduced deployment time by 60% and infrastructure costs by 25% through CI/CD automation and AWS migration.

HUAWEI AMBASSADOR

APR 2022 - JUN 2024

- Acted as a key liaison between university management, students, and Huawei ICT Academy.
- Organized and hosted webinars on ICT competitions, online learning, AI, and cloud computing in collaboration with the National Council for Women.
- Mentored peers on the Huawei HCIA curriculum to support their certification journey.

Associate Software Engineer | CYBERDEFENDERS

OCT 2023 - FEB 2024

- Built scalable features using Django and Vue.js, integrating secure payment systems and cloud services while ensuring high code quality and performance.
- Resolved critical software bugs to enhance user experience and application stability, enhanced SEO performance.

DEVOPS INTERNSHIP | BANQUE MISR

JUL 2023 - AUG 2023

- Utilized DevOps tools such as Docker, Terraform, AWS, GitOps, CI/CD pipelines and Python to optimize cloud deployments.
- Led the organization's first and most impactful DevOps project, delivering innovative cloud infrastructure solutions and setting a benchmark for future deployments.

Software Engineer | HLOGIC GROUP

NOV 2022 - OCT 2023

- Represented the company at tech events while deploying AI-driven solutions to streamline business operations and drive innovation.
- Mentored students as an AI and Software Instructor, improving learning outcomes.

Software Engineer | ZKTECO EI MOHANDSEEN

JUNE 2022 - NOV 2022

- Led web development and Python workshops, boosting team proficiency and accelerating project delivery through hands-on training.
- Developed sales management and stock systems, streamlining operations and increasing process efficiency.

Front-End Advocate (Mentor) | UDACITY

MAR 2020 - JAN 2022

- Mentored over 400 students across the MENA region and hosted weekly webinars on front-end development.
- Guided students to successfully earn Front-End Nano Degree certifications, fostering technical excellence and career growth.

## MY SKILLS

- PROGRAMMING LANGUAGES: PYTHON (4 YEARS), JAVASCRIPT (5 YEARS), BASH (2 YEARS)
- FRAMEWORKS: DJANGO (4 YEARS), REACT (4 YEARS), FLASK (3 YEARS), NODE.JS (3 YEARS)
- DATABASES: MYSQL (3 YEARS), POSTGRESQL (3 YEARS), MONGODB (3 YEARS), OPENGAUSS (2 YEARS)
- CLOUD PLATFORMS: AWS (3 YEARS), HUAWEI CLOUD (2 YEARS), ORACLE (1 YEAR)
- DEVOPS & TOOLS: DOCKER & KUBERNETES (2 YEARS), GIT ACTIONS (2 YEARS), GIT CONTROL (5 YEARS), CLOUD ARCHITECTURE, CI/CD PIPELINES

## AWARDS

Won 1st Prize at the Huawei ICT Global Competition (2025) in Shenzhen, China, competing against top teams worldwide. Previously earned Platinum Medals as Team Leader of Egypt's National Computing Team (2023–2024) in Tunisia, a 2nd Prize in North Africa, and achieving the highest score in the national computing exam.

Recognized as a top ambassador for ICT excellence, receiving the Huawei Annual Ambassador award in both 2022 and 2023—the only ambassador from Egyptian universities to achieve this honor twice.

Selected to represent Egypt at MWC 2023 in Barcelona, Spain, following my outstanding performance in the 'Seeds for the Future' 2023 program, where I achieved 1st place across Egypt.

Chosen as one of the top 50 inspiring coders out of 1 million in the Arab world—featured in a book endorsed by Sheikh Mohammed bin Rashid Al Maktoum and awarded a Udacity Tech Master Badge for accelerating a cohort graduation (completing 4 months' content in 3 days).

Honored as one of the 5 most inspiring freelancing success stories in FWD (IDITA & Udacity), ranking 1st in Egypt while competing with 1300 seniors, and recognized as the only high school student in the initiative.

2nd Place Winner Z Dare Entrepreneurship Challenge Powered by Universities of Canada in Egypt awarded a scholarship at the Universities of Canada in Egypt and an Apple product (iPhone 11).

I had the distinguished opportunity to share my successful journey on Egyptian television, appearing on Al Mehwar TV channel's "Yom Sa'eed" program as well as on Madrasatna, a secondary channel affiliated with the Ministry of Higher Education.

Selected as a (6) successful story by prestigious organizations including Udacity, Huawei, ITIDA, Human FCIS, and the International Labour Organization for outstanding achievements in technology and entrepreneurship.

## SPEAKER

### 12TH INTERNATIONAL CONFERENCE AIN SHAMS UNIVERSITY

SPEAKER "BRIDGING ACADEMIA AND INDUSTRY: MY HUAWEI JOURNEY"

- Sharing my success story with Huawei. I highlighted the benefits of academia-industry collaboration, showcasing how our partnership facilitated scientific advancements and created opportunities for students and researchers. The conference, attended by university leaders, was filled with inspiring ideas and energy.

### IEEE HELWAN SB

SPEAKER "INTRODUCTION TO WEB DEVELOPMENT: BUILDING WITH HTML & CSS"

- I presented comprehensive insights into the web development track, detailing the website development process, its importance, and effective strategies for learning it, I spearheaded web development workshops focused on teaching HTML and CSS.

## CERTIFICATIONS

AWS: CLOUD PRACTITIONER, CLOUD SOLUTIONS ARCHITECT

HUAWEI: HCIP-AI, HCIA-AI, HCIA-OPENULER, HCIA-BIG DATA, SOLUTION ARCHITECTURES & CLOUD MIGRATION.

ORACLE: CLOUD INFRASTRUCTURE 2024 CERTIFIED ASSOCIATE

IBM: DATA SCIENCE PROFESSIONAL CERTIFICATE, AI ENGINEERING, APPLIED DATA SCIENCE

UDACITY: 10 NANO DEGREE PROGRAMS (WEB & SOFTWARE TRACKS)

DEEPLARNING.AI: DEEP LEARNING SPECIALIZATION

## PROJECTS

### DATAFORGE – AUTOMATED DATA WAREHOUSE SCHEMA GENERATOR

GRADUATION PROJECT

Developed a full-stack tool to automate data warehouse schema generation, reducing manual data integration time by 70%. Implemented AI-driven schema optimization using Django, ReactFlow, and OpenAI APIs, improved data visualization accuracy and deployed via CI/CD pipeline on Huawei Cloud.

### UNLIMITED - EG

Developed a full-stack platform that delivers real-world programming challenges to bridge the gap between theory and practice. Leveraged a modern tech stack: React (frontend), Django (backend), JWT (authentication), AWS S3 (cloud storage), PostgreSQL (database), and Docker (containerization). Implemented Bash scripts for automation, used cPanel for hosting, and Git for version control. This project sharpened my expertise in full-stack development, cloud integration, and DevOps workflows—preparing me to solve real-world engineering challenges effectively.