

Abdelrahman Abdelnasser Gamal

SOFTWARE ENGINEER

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PROFILE INFO

Computer Science Senior at Ain Shams University and highly motivated Software Engineer with expertise in full-stack development, specializing in Django and React. Proven track record of developing scalable, user-friendly applications and implementing AI-based solutions. Recognized for strong problem-solving skills and dedication to continuous learning.

EDUCATION

FACULTY OF COMPUTER AND INFORMATION SCIENCES - AIN SHAMS UNIVERSITY
GPA: 3.2

2021 - 2025

STEM HIGH SCHOOL FOR BOYS - 6 OF OCTOBER
GPA: 4.0

2018 - 2021

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

WORK EXPERIENCE

DEVOPS INTERNSHIP AT BANQUE MISR

JUN 2024 - AUG 2024

- Utilized DevOps tools such as Docker, Terraform, AWS, GitOps, CI/CD pipelines and Python to optimize cloud deployments.
- Led a high-impact DevOps project first and best DevOps project, showcasing expertise in challenging Cloud projects.

HUAWEI AMBASSADOR

APR 2022 - JUN 2024

- Acted as a ICT key liaison between university management, students, and Huawei ICT Academy by proactively engaging with students.
- Organized and hosted webinars and online sessions on ICT competitions, online learning, and AI fundamentals in collaboration with the National Council for Women.

Associate Software Engineer at CYBERDEFENDERS

OCT 2023 - FEB 2024

- Developed features using Django and VueJS with a focus on code quality, scalability, payment integration and cloud service.
- Resolved critical software bugs to enhance user experience and application performance.

Software Engineer at HLOGIC GROUP

NOV 2022 - OCT 2023

- Represented the company at tech events while implementing AI-based solutions, improve business operations and website manager.
- AI instructor and designed and delivered courses at HST School (First Applied Technology School in Egypt).

Software Engineer At ZKTECO EI MOHANDSEEN

JUNE 2022 - NOV 2022

- Taught web development and Python programming through structured courses, workshops, and mentoring sessions.
- Developed projects for sales management and stock systems to optimize operational processes.

Front-End Advocate (Mentor) At UDACITY

MAR 2020 - JAN 2022

- Mentored 400+ students across the MENA region and hosted weekly webinars to support front-end development.
- Enabled students to achieve certifications in the Front-End Nano degree program.

ADVANCED COMPUTER TECHNOLOGY (ACT) INTERNSHIP

JUL 2023 - AUG 2023

- Established a new system for Micros Workstations within EMC software projects based on oracle cloud.
- Developed a demo project for Krispy Kreme, showcasing a comprehensive POS system.

MY SKILLS

- PROGRAMMING LANGUAGES: PYTHON (4 YEARS), C++ (3 YEARS), JAVASCRIPT (5 YEARS), HTML (5 YEARS), CSS (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 (2 YEARS), HUAWEI CLOUD (2 YEARS), ORACLE (1 YEAR)
- OTHER: DOCKER & KUBERNETES (2 YEARS), GIT CONTROL (5 YEARS)



VOLUNTEERING

12TH INTERNATIONAL CONFERENCE AIN SHAMS UNIVERSITY

SPEAKER

- 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

- 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.



AWARDS

Earned consecutive Platinum Medals (2022 & 2023) as Team Leader for Egypt's national computing team—guiding the team to a 2nd Prize in North Africa (2022), representing Egypt in Tunisia (2023), 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 for the Universities of Canada in Egypt and 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 successful story by prestigious organizations including Udacity, Huawei, ITIDA, Human FCIS, and the International Labour Organization for outstanding achievements in technology and entrepreneurship.



CERTIFICATIONS

HAWUAI HCIP-AI, HCIA-AI, HCIA-OPENEULER, HCIA-BIGDATA

HCCDA - TECH ESSENTIALS & CLOUD NATIVE

HCCDP - SOLUTION ARCHITECTURES & CLOUD MIGRATION

ORACLE CLOUD INFRASTRUCTURE 2024 CERTIFIED ASSOCIATE

FRONT END DEVELOPER FOR ENTERPRISE NANO DEGREE

WEB DESIGN FOR EVERYBODY: WEB DEVELOPMENT & CODING SPECIALIZATION.

PROFESSIONAL AND ADVANCED WEB DEVELOPMENT NANO DEGREE

AWS CLOUD CLOUD PRACTITIONER CERTIFIED

IBM AI ENGINEERING PROFESSIONAL CERTIFICATE

FULL-STACK WEB DEVELOPMENT WITH REACT SPECIALIZATION

IBM APPLIED DATA SCIENCE SPECIALIZATION

DEEP LEARNING SPECIALIZATION FROM DEEPLARNING.AI

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE



PROJECTS

LIBRARY INVENTORY SYSTEM INCLUDING DEVOPS FULL CYCLE

[@abdelrahman18036/library-inventory-team3](#)

Library Inventory System built to manage book-related operations such as adding, updating, borrowing, and returning. It employs Docker for containerization and Kubernetes for deployment, ensuring scalability and reliability. The infrastructure is provisioned and managed using Terraform on AWS. A CI/CD pipeline is automated with Jenkins, incorporating GitOps practices for efficient deployment management. The system is thoroughly monitored using Prometheus and Grafana, with alerts set up for proactive issue resolution. Security and compliance are maintained through Trivy and Terrascan, while infrastructure costs are managed using Infracost. The project also includes automated tagging, code quality assurance, and unit testing.

UNLIMITED - EG

[UNLIMITED-EG.COM](#)

Developed a platform that provides real-world programming challenges to bridge the gap between theoretical knowledge and practical application. Utilized a modern tech stack including React for the frontend, Django for the backend, JWT for authentication, AWS for cloud services (S3 services), PostgreSQL for the database, and Docker for containerization. Additionally, implemented Bash scripts for automation, cPanel for web hosting management, and Git for version control. This project significantly enhanced my skills in full-stack development, cloud integration, and DevOps practices, preparing me to tackle complex real-world problems effectively.

LUDUS NFT MARKETPLACE

[LUDUS-MAIN.VERCEL.APP](#)

Developed a fully responsive NFT marketplace tailored for the MERN stack. Utilized React for the frontend, Node.js and Express for the backend, MongoDB for the database, Cloudinary for image management, JWT for secure authentication, and Docker for containerization. Integrated GitHub for version control and automated deployment using Vercel. This project not only showcased my proficiency in full-stack development but also highlighted my ability to integrate various technologies to create a seamless and secure user experience.