

# Ahmed El Safty

ahmedelsafty70@gmail.com • 01095726886 • [linkedin.com/in/ahmed-m-el-safty](https://www.linkedin.com/in/ahmed-m-el-safty)

## WORK EXPERIENCE

### Teaching Assistant "ahmedelsafty@adj.aast.edu"

Feb 2024 - Present

#### Arab Academy For Science and Technology

Cairo, Egypt

- Held **office hours** 3 hours a week two hours each
- Assistent in teaching **Digital Logic, Object-Oriented Programming, Database Systems** and **Operating System** courses
- Graded assignments
- Supported over 65 students
- Achieved a **30% increase in student comprehension and engagement**.

### DevOps Engineer

Jul 2024 - Dec 2024

#### Orange Innovation

Cairo, Egypt

- Utilized **Kubernetes, Docker, Docker Compose, GitLab CI, and Helm**.
- Achieved a **30% reduction in deployment time** by optimizing the pipeline.

### Full Stack Trainee

Jul 2022 - Aug 2022

#### Orange Labs

Cairo, Egypt

- Partnered with Full Stack Team** on the **Agri Clinic Project**.
- Developed responsive **web and mobile frontends** with **Angular and Flutter**.

### Full Stack Trainee

Jul 2021 - Aug 2021

#### Orange Labs

Cairo, Egypt

- Gained **backend expertise** by developing an **HR project with Spring Boot**.
- Created **RESTful APIs**, applied **design patterns**, and practiced **TDD**.
- Improved **performance by 20%** and enhanced **security and maintainability**.

## EDUCATION

### B.S.C

Sep 2018 - Jul 2023

Arab Academy for Science and Technology, degree in Computer Engineering

GPA: Very Good

## PROJECTS

### Graduation Project

- Team Leader, **"BotaniScan: Advanced Plant Disease Detection System"** - Achieved **A+**.
- Led **integration of hardware and software** for plant disease detection, overseeing **backend development** with **Spring Boot** and **AWS**.
- Ensured **communication** between **mobile/web apps** and a **robotic arm** for efficient control and data exchange.
- Guided team for **project success** and laid groundwork for **future improvements**.
- Tools:** Flutter, Spring Boot, Raspberry Pi 4, Python, React.js, AWS, Docker, GitHub.

### DevOps Task

- Established a local **Kubernetes setup with Minikube**, incorporating multiple namespaces (Build, Dev, Test) and linked it with a **GitLab instance through Docker Compose**.
- Configured **Nexus Repository OSS using Terraform** and orchestrated **MySQL databases within Kubernetes using Helm**.
- Built a **CI/CD pipeline in GitLab**, streamlining **code checkout, Maven builds, Docker image creation, and deployments to Nexus**.

### HR-System

Used Spring Boot (Backend Framework), Worked on in 2-months internship (Orange Labs)

- Spring boot (JPA, Hibernate, Spring Security, JDBC, JUnit, TDD, Maven), MySQL

## AWARDS

### MASTER AWARD ARTIFICIAL INTELLIGENCE ANALYST by IBM

Credential ID: 3974-1601-5398-2244

### DATA STRUCTURE AND ALGORITHMS SPECIALIZATION by UC San Diego

Credential ID: TF9ASRZMCK94

### IELTS

Mar 2025

## SKILLS

**DevOps:** Linux, Docker, Docker-Compose, Jenkins, AWS, K8's, Helm, GitLab, Terraform, Ansible

**Other:** Arduino, Spring boot, MySQL, Power BI, Agile/Scrum, Excel

**Programming Languages:** Python, Java, C/C++, Bash