



## PROFILE

### Junior Software Engineer with a passion for Cyber Security.

I am experienced in programming languages such as Python, Java, and C++, with a strong understanding of system architecture and debugging. Currently transitioning into Cyber Security, focusing on network security, penetration testing, and ethical hacking and actively pursuing certifications like CompTIA Security+ to enhance skills in safeguarding digital environments. Eager to apply software engineering expertise to identify and mitigate security vulnerabilities in dynamic, high-stakes environments.

## EDUCATION:

**Institution:** October University for Modern Sciences & Arts

**Major:** Software Engineering (SE)

**Graduation Date:** [30-6-2024]

Location: 26 July Mehwar Road intersection with Wahat Road, 6th of October City, Giza, Egypt

My cumulative GPA is 2.63

## SKILLS:

### Technical Skills:

#### 1. Fluent command of English:

(c1 & c2) spoken and written

#### 2. Programming Languages:

- Knowledge of \*\*Python, Java, C++, JavaScript

#### 3. Web Development:

- Basic understanding of \*\*HTML, CSS, JavaScript\*\* for front-end development.

#### 4. Version Control:

- Familiarity with \*\*Git\*\* and using \*\*GitHub\*\* for personal or collaborative projects.

### Soft Skills:

#### 1. Problem-Solving:

- Demonstrated ability to think critically and solve coding problems, whether through coding challenges (e.g., LeetCode, HackerRank) or projects.

## Contact

### Address:

Giza, Egypt

### Phone:

01555584299

### Email:

mohamedshrif1234567@gmail.com

## LANGUAGES

Arabic (Mother tongue)

English (Fluent)

## HOBBIES

- Hiking
- Photography
- French cuisine

## **2. Collaboration:**

- Ability to work in teams on projects or through group coding assignments during school or boot camps.

## **3. Adaptability:**

- Willingness to learn new languages, frameworks, and tools, especially in fast-paced environments.

## **4. Communication:**

- Clear communication skills, including the ability to explain coding concepts and solutions.

## **5. Time Management:**

- Capable of balancing multiple assignments or projects, which you can demonstrate through academic workload management.

## **RESEARCH:**

A Paper titled Comparative Study: Using Machine Learning Models Based Rehabilitation Therapy to Classify Diabetic Fran Shoulder Exercises has been accepted and published at ISDCom-24

## **GRADUATION PROJECT:**

My graduation project focused on developing a rehabilitation system for patients to perform exercises at home under the guidance of doctors, using machine learning and a mobile application built with Flutter. The system classifies diabetic frozen shoulder movements into flexion, abduction, and external rotation using a Random Forest classifier, which achieved 92% accuracy. The tech stack for the project included Flask for backend ML model), Flutter for frontend, and Firebase for backend user authentication).

## **EXPRESSION DETECTION PROJECT:**

The project is a web app that detects a user's facial emotions in real-time and responds accordingly. Media Pipe's Face Mesh can be used to track facial landmarks and identity emotions, while Flask handles the backend to trigger responses like changing the website's theme using vanilla

## **TRAINING(MARCH,2024) :**

I have attended Skuld Digital Training Program provided by education for employment institution in cyber security track

## **Tools:**

Katalon

Selenium

Media-pipe

Socketio

Flask