

# Esraa ALi Yousef ELMorsy

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## Professional Summary

Graduate of the Faculty of Computers and Artificial Intelligence, specializing in Computer Science. Currently pursuing a Master's degree in Computer Science while serving as a Teaching Assistant at Damietta University and Damietta National University. Experienced in conducting mathematics and programming tutorials, providing academic support to undergraduate students, and fostering a positive and engaging learning environment. Highly motivated to contribute to academic development, research initiatives, and the delivery of high-quality undergraduate education.

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## Education

<b>Faculty of Computer &amp; Artificial Intelligence - CS, Bachelors</b>	2021 – 2025
<b>Grade :Very Good</b>	Damietta University
<b>Master's degree in computer science</b>	2025-present
	Damietta University

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## Experience

### Teaching Assistant – Faculty of Computers and Artificial Intelligence

#### Teaching Assistant – Damietta University (Public)

- Delivered tutorial (section) sessions for undergraduate students in programming and computer science courses.

#### Teaching Assistant – Damietta National University

- Delivered Mathematics tutorial sections in English for undergraduate students and explained mathematical concepts clearly .
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## Training & Internships

### Front-End Development Training – Mindset Training

- Completed hands-on training in HTML, CSS, and JavaScript.

### Big Data Summer Training

- hands-on experience in data visualization and analytics using Power BI.

## UI/UX Intern – Baianat (Design & Software Solutions Company)

- Assisted in designing and improving user interfaces with a focus on usability and accessibility.

## UI/UX Intern – Systemira (Design & Software Solutions Company)

- Gained hands-on experience using design tools such as Figma and Adobe XD.

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## Skills

### Communication

Expert

### Leadership

Expert

### Organizational Skills

Proficient

### Teamwork

Proficient

### Programming

Python, C++

Tools : Figma, Adobe XD, VS Code

### Web Development

HTML, CSS, JavaScript

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## Projects

### Advanced Software Engineering Project – FCAI | May 2024

- Developed a library management system using Jira for project tracking and team coordination.

### Pattern Recognition Project – FCAI | May 2024

- Developed a model to automatically identify languages from text using Natural Language Processing (NLP) techniques.

### Computer Architecture Project – FCAI | Dec 2023

- Developed a device to measure and monitor heart rate and blood pressure using integrated hardware and software.

### Computer Graphics Project – FCAI | Dec 2023

- Built a Space Invaders game using Python and basic computer graphics techniques.

### Machine Learning Project – FCAI | Dec 2024

- Developed a machine learning model to analyze human voice and detect physical or emotional states.

#### **Compiler Design Project – FCAI | Dec 2024**

- Designed and implemented a basic compiler including lexical analysis, grammar rules, and parsing.

#### **Big Data Project – FCAI | Aug 2024**

- Developed an interactive Power BI dashboard to analyze sales data for a clothing website.

#### **KDD Project – FCAI | Dec 2024**

- Built an anime classification and visualization system using machine learning and data analysis techniques.

#### **Neural Network Project – FCAI | May 2025**

- Developed and compared neural network models (CNN, SOM) for breast cancer detection and classification.

#### **Graduation Project – Nile Brand Platform (App & Web Design) | Jun 2025**

- Developed a digital platform enabling Egyptian startups and artisans to showcase and sell products locally and globally.

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## **Courses & Certifications**

Learn figma Like a pro Mixed with UI /UX (Arabic) - [Udemy] - [2 july 2024]

workshop of UI /UX - [Zag Eng Family] - [september 2024]

UX Design Fundamentals - [Mahara tech] - [march 2024]

Front-End Development - [Mindset Training] - [16 September 2024]

Computer Architecture Project [Dec 2023]

UI/UX Intern - [baianat]- [february 2024]

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## **Languages**

English: Advanced

Arabic: Native