

# Yousry Essam Ayoub

📍 Cairo, Egypt

## Software Engineer

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## PROFESSIONAL SUMMARY

Software Engineer with strong problem-solving skills and a solid grasp of software engineering principles and competitive programming. Experienced in developing full-stack applications with .NET technologies, with knowledge in solving complex problems, and solved more than +3000 problems on various online judges. Quick to learn new technologies and focused on writing clean, maintainable code. Looking to contribute to a collaborative tech team while continuing to grow professionally.

## EDUCATION

### 9-Month Diploma: Professional Training Program (PTP)

Professional Development & BI-infused CRM

Information Technology Institute (ITI)

Oct 2024 – Present

### Bachelor of Computer Science

Faculty of Computer Science and Information Technology

GPA 2.93/4.0

Assiut University

Oct 2020 – Jul 2024

## TECHNICAL SKILLS

<b>Backend</b>	: ASP.NET Core, .NET Framework, RESTful APIs, Web API, Entity Framework Core, LINQ, SignalR
<b>Languages</b>	: C#, C++, Python, JavaScript, TypeScript, SQL
<b>Databases</b>	: Microsoft SQL Server, MySQL, MongoDB
<b>Frontend</b>	: Angular, Blazor, HTML5, CSS3, Bootstrap
<b>Development</b>	: OOP, SOLID Principles, Clean Architecture, Design Patterns, Agile/Scrum, Git, GitHub, Unit Testing
<b>Tools</b>	: Visual Studio, VS Code, Postman, Swagger

## SOFT SKILLS

<b>Communication</b>	: Technical Documentation, Cross-functional Collaboration
<b>Problem Solving</b>	: Critical Thinking, Analytical Reasoning, Debugging
<b>Adaptability</b>	: Learning New Technologies, Working Under Pressure

## PROJECTS

### ShahraZad (Graduation Project - A+ Grade)

Flutter, FastAPI, Python, NLP, TTS APIs, Deep Learning

- Built a cross-platform app that converts stories into expressive audio using deep learning and generative AI with emotional TTS, voice customization, and Arabic/English support.

### BL00 - Social Media Web Application 🔗

ASP.NET MVC Core, SignalR, EF Core, SQL Server, JavaScript, Bootstrap

- Developed a full-featured social platform with real-time messaging, post sharing, social interactions, and responsive design.

### H-Catch (E-commerce Frontend) 🔗

HTML5, CSS3, JavaScript (ECMAScript), Bootstrap, AJAX

- Developed a responsive e-commerce frontend with smooth user interactions using modern web technologies.

### Personal Portfolio Website 🔗

HTML5, CSS3, JavaScript, Bootstrap

- Built a responsive, accessible portfolio site to showcase projects and skills, with a focus on clean design and performance. Deployed via GitHub Pages.

### Todo App 🔗

HTML5, CSS3, JavaScript (ES6)

- Built a responsive task management app with add, filter, and delete features, plus light/dark mode for better UX.

### Endless Runner Game 🔗

Unity, C#

- Created a Unity-based endless runner game with lane-switching, obstacles, collectibles, power-ups, and a simple UI with sound and animation.

## EXPERIENCE

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### Summer Internship

Petra Software Industries

Jul 2023 – Aug 2023

Assiut, Egypt

- Designed and managed databases using MySQL for real-world project implementations.
- Wrote efficient, high-quality SQL queries to support diverse application needs.
- Handled daily database tasks, ensuring accurate and timely updates.

## VOLUNTEERING

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### Instructor & Mentor (C++ and Problem Solving Skills)

ICPC EELU Community

Mar 2024 – Jun 2025

Assiut, Egypt

- Led C++ and problem-solving sessions, created lesson plans, and mentored students on algorithms, debugging, and coding best practices.

### Mentor (C++ and Problem Solving)

ICPC Assiut Community

Oct 2021 – Jun 2024

Assiut, Egypt

- Guided peers in C++ and algorithms, offering support in debugging and problem-solving while strengthening mentoring and communication skills.

## AWARDS AND COMPETITIONS

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- ECPC 2024 Finals 🏆 – Ranked 51st among 397 teams (top 13%) in Egypt's premier competitive programming contest.
- ECPC 2024 Qualifications 🏆 – Secured 29th position out of 447 teams (top 7%).
- ECPC 2023 Qualifications 🏆 – Achieved 22nd place among 235 teams (top 10%).
- ECPC 2022 Qualifications 🏆 – Placed 24th out of 237 teams (top 11%).
- Programming Warfare 2023 – Ranked 19th among 150 teams in Upper Egypt's regional programming competition.
- Solved 3000+ programming challenges across various platforms (Codeforces, LeetCode, HackerRank).