

Mohamed Hossam Fathy

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Professional Summary

Motivated Computer Science student at Nile University with a 4.0 GPA and hands-on experience in full-stack web development. Proficient in building scalable, secure .NET Core applications, designing RESTful APIs, and implementing real-time features using WebSockets. Strong understanding of clean architecture, SOLID principles, and modern frontend technologies like React, Next.js, and Tailwind CSS. Actively seeking internship opportunities to apply and grow backend and system design skills

Education	Nile University (NU)	Giza, Egypt
	Bachelor of Science in Computer Science (ITCS)	CGPA: 4.0/4.0
	Expected Graduation[October,2028]	

Projects	<ul style="list-style-type: none">• Memzy<ul style="list-style-type: none">○ Full-Stack Web Application Development○ Developed a comprehensive, dynamic web application using a modern tech stack to provide a personalized meme-sharing experience.○ Frontend Development: Engineered a highly interactive and responsive user interface with Next.js, React, and Tailwind CSS, ensuring a seamless mobile-first experience across all devices.○ Backend Development: Built a robust and scalable .NET Core Web API, adhering to RESTful and SOLID principles. Managed data persistence and relationships efficiently using Entity Framework Core with SQL Server.○ Key Features & Innovations: Implemented JWT-based secure authentication for user management and integrated WebSockets to enable real-time messaging and dynamic user engagement. Designed and developed functionalities for personalized user profiles and customizable humor content feeds.
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Technical Skills

Languages & Frameworks: C#, C++, C, Python, JavaScript, TypeScript, React, Next.js, ASP.NET Core

Databases: SQL Server, MySQL

Tools & Concepts: Git, RESTful API Design, Clean Architecture, SOLID Principles, WebSockets
Soft Skills: Problem Solving, Team Collaboration, Software Engineering Fundamentals