

HANA TAMER MOHAMED

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EDUCATION

Bachelor of Computer Science, Egypt Japan University E-JUST Expected 2026
CGPA: 3.85 — **Major:** Computer Network and Cyber Security
Achievements: Ranked in the top 1% of students, nominated for Master's studies in Cybersecurity.

RELEVANT COURSEWORK

Data Structures and Algorithms, OOP, Computer Architecture, Embedded Systems (Assembly), Neural Networks, Reinforcement Learning, Probability and Statistics, Computer Networks, Certified Linux Practitioner, Operating Systems, Database Systems, Information Systems, Ethical Hacking, Graphics and Visualization, Software Engineering, Cloud Computing and Virtualization, Network Security, Full Stack Web Development.

EXPERIENCE

Backend Developer at CODEX Feb 2025 - Present
Developing backend systems using PHP Laravel framework for scalable application architecture.

Coding Instructor at iSchool Demi Project Jun 2024 - Aug 2024
Taught programming fundamentals to K-12 students through customized lesson plans and hands-on coding activities.

Game Development Trainee at LIVIT STEM Jun 2024 - Jul 2024
Created 3D VR educational games using Unity-based LIVIT engine to teach Linux basics to young learners.

ITI Linux Internship Jul 2024 - Jul 2024
Configured Linux systems and wrote shell scripts, completing a final project mirroring RHCSA exam tasks.

ITI Full Stack Internship Jul 2024 - Jul 2024
Built a blog application with Laravel PHP and MySQL, applying MVC architecture for frontend-backend integration.

HCIA Data Communication Training at Electronics Research Institute Aug 2024 - Sep 2024
Practiced network device configuration and troubleshooting using Huawei data communication protocols.

CyberTalents Cybersecurity Cohort 7 Apr 2024 - May 2024
Explored cybersecurity fundamentals and applied techniques in CTF challenges for practical problem-solving.

PROJECTS

Discord Chat Application: Developed a chat application using C sharp with GUI in WPF.

Foodery Project: Built a full-stack website for restaurants with backend database integration using HTML, CSS, JavaScript, Bootstrap, and .NET framework.

Assembler: Translated classic computer assembly into machine code using Python.

Task Manager: Created a Windows service in C sharp to monitor resource usage and manage network traffic.

CSP Project: Solved optimization problems "Sudoku" using the CSP method for initial and final states.

Search Project: Developed a Tic-Tac-Toe game with AI logic using six uninformed search methods.

NN Project: Designed a neural network to classify emails as legitimate or phishing.

RL Project: Built a Snake game agent using reinforcement learning, achieving 99 percent accuracy.

Library Management System: A real-life ERD with mapping.

Smart Touchless Doorbell: Engineered a smart touchless doorbell using Arduino Uno and c programming.

Social Media Blog: Developed a social media blog using PHP Laravel framework.

SKILLS

Programming Languages: Assembly ,C sharp, Python, PHP, JavaScript, SQL, C

Web Development: HTML, CSS, JavaScript, Bootstrap, Laravel, .NET

FrameWorks / Tools: WPF, Unity, Arduino, MySQL, Git, GitHub

Cybersecurity: Ethical Hacking, Network Security, CTF Challenges, Linux System Configuration

Software / Systems: Windows, Linux, Cloud Computing, Virtualization, Database Systems

Languages: Proficient English (C2), Native Arabic, Japanese (N5)