Youssef Shehata

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WORK EXPERIENCE

ECPC Contestant at ICPC — Aug 2023 - Aug 2023
– Participated in the ECPC Qualifications 2023
– Qualified for and participated in the ECPC Finals

Network Engineering Intern at Telecom Egypt WE — Aug 2023 - Sep 2023
– Developing a solid foundation in networking as a CCNA Trainee at Telecom Egypt.
– Gaining hands-on experience in configuring, troubleshooting, and maintaining network infrastructure.

Cybersecurity Intern at Telecom Egypt WE — Aug 2023 - Sep 2023
– Gained knowledge on cybersecurity concepts and its related tools.
– Experience in various attacks and how to defend against them through network architectures and coding means.

Data Science Intern at BuduCloud — Aug 2023 - Oct 2023
– Helped develop multiple machine learning models for ERP systems.
– Gained experience in data exploration and cleaning.

Graduate Teacher Assistant at AASTMT — Sep 2024 - Feb 2025
– Helped in preparing sections and students' guidance.
– Assisted in managerial work inside the institute.

PROJECTS

Lung Cancer Detection — Link to Project
– A lung cancer detection model that's made with neural network that imitates the VGG16 model. We introduced some changes to the original model and achieved a higher accuracy overall.

Illness Detection Through Thermal Ear Images — Link to Project
– The project revolutionizes acupuncture diagnostics by employing a dual-lens system and a Vision Transformer (ViT) model to accurately identify 55 ear acupuncture points and detect thermal anomalies, achieving a normalized mean error (NME) of 0.3073 for precise medical diagnosis.

EDUCATION

2020 - 2024	BSc in Computer Science(CCIT) at **AASTMT**	(GPA: 3.94/4.0)
2024 - Ongoing	MSc in Computer Science(AI) at **AASTMT**	

CERTIFICATES/COURSES

Sep 2022	Supervised Machine Learning	(Coursera/DeepLearning.ai)
Jan 2023	Advanced Learning Algorithms	(Coursera/DeepLearning.ai)
Aug 2023	Machine Learning Pipeline with Azure ML Studio	(Coursera/AASTMT)
June 2024 - October 2024	IBM AI Professional Certificate	(Coursera/IBM)
Feb 2025	Stanford CS224N NLP with Deep Learning	(Self-Study)

Skills

Programming Languages	C/C++ - Python - C(Sharp) - Java/JSP - JavaScript - HTML/CSS - SQL(Oracle/Postegre) - MatLab - R - PHP
Tools	Git/GitHub - TensorFlow - PyTorch - Google Colab - Microsoft Office(Excel) - Unity - Laravel - XAMPP
Languages	Arabic (Native/C2) - English (Proficient/C1)
Other Skills	Machine Learning - Data Science - Deep Learning - Computer Vision - Problem Solving - Secure Coding - NLP - Competitive Programming