

# Nadine Haitham Elkady

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## Profile

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An AI engineer with a strong foundation in data analysis, machine learning, deep learning, neural networks, and NLP. Hardworking and highly motivated, always driven to take on real-world projects and refine technical skills. Looking for a challenging role in a reputable company to collaborate with a team, grow professionally, and contribute to innovative solutions.

## Education

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|-------------------|---|
| 10/2021 – 07/2025 | <b>Bachelor's Degree in Computer Science – Artificial Intelligence Program</b><br><i>Dual degree from Ain Shams University and the University of East London.</i> <ul style="list-style-type: none"><li>• CGPA : 3.45</li></ul> |
| 2007 – 2021       | <b>Egyptian General Secondary Certificate</b><br><i>Nozha Language School</i> <ul style="list-style-type: none"><li>• <b>Mathematecis Section</b></li></ul>   |


## Awards





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|---------|--|
| 02/2025 | <b>1st place at AI Finance Hackathon</b><br><i>Google Developer Groups Cairo X nsave</i>   |
| 01/2025 | <b>1st Place in Computer Vision Competition - Lung Tumor Detection &amp; Segmentation</b><br><i>Ain Shams University X University of East London</i> |
| 06/2024 | <b>1st Place in Machine Learning Competition - Doctor Fee prediction</b><br><i>Ain Shams University X University of East London</i>                  |
| 06/2024 | <b>3rd place in Neural Networks Competition - Plant disease Classification</b><br><i>Ain Shams University X University of East London</i>            |
| 04/2024 | <b>Top 5 Projects in the ConnectX Competition – Crime Rate Prediction</b><br><i>ConnectX Students Activity Club</i>                                  |

## Projects

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|-------------------|---|
| 10/2024 – present | <b>PRVIA (Pre-Recorded Video Interview Analysis)</b><br><i>Web-based application designed for HRs to accelerate the evaluation process for thousands of applicants.</i>   |
| 12/2024 – 12/2024 | <b>Classify the Market Probabilistic Modeling Project</b><br><i>Classification problem to predict the size of market given encoded features using Probabilistic Modelling Techniques</i>  |
| 11/2024 – 12/2024 | <b>Lung Tumour Detection &amp; Segmentation Computer Vision Project</b> <br><i>Optimized YOLO and Faster R-CNN for lung tumor detection while using pre-trained segmentation models such as FPN and FCN with ResNet and EfficientNet backbones. Improved segmentation accuracy with Med-SAM for robust inference and optimization.</i> |

04/2024 – 05/2024	<b>Doctor Fee Prediction Project</b>  <i>Predicting Medical Service Fees Using Machine Learning: A Regression &amp; Classification Approach</i>
04/2024 – 05/2024	<b>Plant Disease Classification</b>  <i>Deep Learning-Based Classification of Grapevine Leaf Species Using Pre-Trained Models (Inception, EfficientNet, MobileNet, Xception, Inception-ResNet, and ViT)</i>
04/2024 – 05/2024	<b>NLP Emotion Detection System</b>  <i>Developed a model to detect emotions in English Twitter messages, categorizing them into six basic emotions: anger, fear, joy, love, sadness, and surprise. Utilized advanced NLP techniques and models like BERT and RoBERTa to achieve high accuracy, culminating in a user-friendly application for real-time emotion detection.</i>
02/2024 – 03/2024	<b>Crime Rate Prediction</b>  <i>AI-Driven Tool for Analyzing City Crime Patterns and Enhancing Law Enforcement Collaboration</i>

## Professional Experience

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### Machine Learning Pre Master

ConnectX Students Activity ASU

- Gained extensive experience in AI and machine learning by working on numerous projects, covering the entire pipeline from data analysis and preprocessing to modeling. Actively participated in training sessions, enhancing skills in developing and managing end-to-end AI projects.

## Skills

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### Programming Languages

Python, C++, C#, Java, SQL

### Concepts

Data Analysis, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing(NLP)

### Soft Skills

Teamwork, Communication and Negotiation,  
Attention to Detail, Time management

## Languages

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### English

IELTS Academic -Overall Band  
Score : 7.0

### Arabic

### French