

Nagham Wael Mohamed Elsayed

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Professional Summary

Second-year Computer Science and Artificial Intelligence student at Cairo University with hands-on expertise in AI, machine learning, and full-stack development. Passionate about building intelligent systems, with proven experience in Python, neural networks, and cloud-based AI solutions (AWS, Google Cloud). Recognized as Best Member of the AI Committee at DSC Cairo University for leadership and technical contributions. Skilled in software engineering practices (SRS/SDS), relational databases (SQL), and web development (HTML/CSS/JS). Holder of multiple certifications including AWS AI & ML Scholarship Graduate and Udacity AI Nanodegree. Combines strong mathematical foundations (linear algebra, statistics) with practical project execution in competitive and collaborative environments.

Education

B.Sc. in Computer Science and Artificial Intelligence
Cairo University | Expected Graduation: 2027

Key Skills

- Programming: Python, C++, Java, SQL
- Web Development: HTML, CSS, JavaScript, Django
- Machine Learning: Neural networks, transformer models, reinforcement learning
- Data Visualization: Matplotlib, Seaborn
- Tools and Frameworks: PyTorch, NumPy, Pandas, Jupyter Notebooks, Google Colab
- Statistics & Mathematics: Descriptive and Inferential Statistics, ANOVA, Hypothesis Testing, Linear Algebra
- Software Engineering: Software Requirements Specification (SRS), Software Design Specification (SDS)
- Other Tools: Excel, PowerPoint, Canva

Projects

- Baby Photoshop – C++ Image Editor (April 2024)
- AWS DeepRacer Model Training (September 2024)
- Use a Pre-trained Image Classifier to Identify Dog Breeds (November 2024)

- Flower Species Image Classifier (February 2025)
Java To Do List (March 2025)
- Ubrary Online Library Website (April 2025)

Certifications

- Google Cloud Skill Badge: Introduction to Generative AI (27 April 2024)
- Google Cloud Skill Badge: Cloud Architecture: Design, Implement, and Manage (30 April 2024)
- ALX AiCE – AI Career Essentials Certificate (28 August 2024)
- Mahara Tech Information Technology Institute (ITI) Platform -The Principles of Writing Clean Code (September 2024)
- Udacity & AWS AI Programming with Python Nanodegree Recipient Badge (October 2024)
- Udacity & AWS Use a Pre-trained Image Classifier to Identify Dog Breeds Project Completion Badge (November 2024)
- AWS AI & ML Scholarship Project Completion Badge: Create Your Own Image Classifier (February 2025)
- AWS AI & ML Scholarship Graduate (February 2025)
- Udacity Nanodegree Program Completion: AI Programming with Python (February 2025)

Activities & Achievements

- Participated in FCAI ICPC Team Formation Contest twice – 2024 & 2025
- Competed in ICPC Kick-Off 2025
- Flower Species Image Classifier (February 2025)
- Engaged in DSC Cairo University AI discussion sessions (2024–2025)
- Actively support peers with study notes and concept summaries
- Strong team player with a collaborative mindset
- Proactive in peer learning and group discussions

Languages

- English: B2 Upper Intermediate
- German: Basic knowledge
- Arabic: Native