

# Ahmed Basuony ELgendy

## MACHINE LEARNING ENGINEER

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### SUMMARY

Undergraduate student in Computer and Data Science with strong interest in Artificial Intelligence, Machine Learning, and IoT. Actively seeking internships to gain practical experience and apply academic knowledge to real-world projects.

### TECHNICAL SKILLS

Machine Learning	Python	Deployment	Team Work
Deep Learning	TensorFlow	Data Mining	Communication Skills
Computer Vision	PyTorch	Data Science	critical thinking skills
Data Analysis	MySQL	Problem Solving	

### PROFESSIONAL EXPERIENCE

#### Machine Learning Internship – NTI, Egypt

July 2025 – Aug 2025

- Gained hands-on experience in ML concepts, data preprocessing, and model evaluation.
- Built a digit classification model on MNIST dataset using TensorFlow, improving accuracy with hyperparameter tuning.

#### IoT Training – EME BORG

June 2025 – July 2025

- Learned IoT fundamentals including microcontrollers, sensors, and cloud integration.
- Developed a smart monitoring system using ESP32, MQ-7, DHT11, and LDR sensors integrated with Firebase Realtime Database, with real-time alerts via LEDs and buzzer.

### EDUCATION

- **Bachelor of Computer and Data Science**  
**Alexandria National University**

09/2022 - 09/2026

### PROJECTS

- **MNIST Digit Classification** – Built and trained a neural network using TensorFlow to classify handwritten digits, achieving high accuracy through model tuning.
- **Image Colorization using Autoencoders** – Developed an autoencoder to convert grayscale images into color, applying deep learning techniques for image reconstruction.