

# Islam Amir Mohamed Ali

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## Objective

Aspiring Machine Learning Engineer with a background in Electronics and Communications Engineering. Skilled in Python, machine learning frameworks, and data analysis, with hands-on experience through projects and AI training programs. Seeking to apply technical expertise in building AI-driven solutions.

## Education

B.Sc. in Electronics and Communications Engineering — El-Shorouk Academy (2011 – 2016)

Cumulative Average: 80.76% (Very Good)

Senior Project: Designed and developed an autonomous 'Office Boy' mobile robot for indoor navigation and delivery tasks.

## Work Experience

**Electrical Design Office (MEP-LES), Cairo — Low Current Designer**

**Oct 2018 – Mar 2020 | Full-time**

- Designed low-current electrical systems (CCTV, fire alarm, access control).
- Collaborated with engineering teams on project design and implementation.
- Applied problem-solving and system optimization skills.

**Traffic Town (Educational Entertainment Center), Cairo — Small Business Supervisor | Full-time**

- Managed daily operations, staff coordination, and customer service.
- Delivered interactive training sessions for children on basic traffic rules and safety.
- Trained junior staff to improve efficiency and service quality.

## **Technical Skills**

- **Programming:** Python, JavaScript, PHP, C,C++
- **ML & AI:** Scikit-learn, TensorFlow, Keras
- **Data Science:** Pandas, NumPy, Matplotlib, Data Preprocessing, Visualization
- **Databases:** MySQL
- **Tools & IDEs:** VS Code, Sublime Text, Google Colab
- **Core Concepts:** Supervised & Unsupervised Learning, CNNs, SVM, Feature Engineering, Model Evaluation

## **Courses & Certifications**

- AI Track – Huawei & NTI Egyptian Talents Academy (2025)  
Focused on Artificial Intelligence concepts, Python-based ML models, and data analysis.
- Embedded Systems Diploma – AMIT (2016)  
Covered microcontrollers, C programming, microcontroller architecture, and real-time systems.
- Automotive Embedded Systems Course  
introduction to AUTOSAR, CAN protocols, and safety standards.

## **Languages**

- Arabic – Native
- English – Fluent (Writing, Reading, Listening, Conversation)