

# MAGD SHEREF AYYAD

## AI & Machine Learning Developer

✉ magdayad6@gmail.com    ☎ +20 115 067 4753    📍 Cairo, Egypt    🔗 [linkedin.com/in/magd-ayyad](https://www.linkedin.com/in/magd-ayyad)  
🐙 [github.com/Magd-ayyad10](https://github.com/Magd-ayyad10)

### PROFESSIONAL SUMMARY

Motivated and technically skilled Computer Science student at MTI University with a strong GPA (3.4) and a passion for full-stack web development and artificial intelligence. Experienced in solving complex coding problems with over 300+ combined problems on Codeforces and LeetCode. Currently an intern in AI & Data Science under the Digital Egypt Pioneers Initiative. Eager to apply and expand my knowledge in real-world software development and AI-driven projects.

### EDUCATION

**MTI University**, Bachelor of Science in Computer Science 2023 – 2027 | Cairo, Egypt  
GPA: 3.4

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming (C++ & Java), AI Fundamentals, Web Development, Computer networks, Operating system

### INTERNSHIPS

**Digital Egypt Pioneers Initiative (DEPI)**, 06/2025 – 12/2025 | Cairo, Egypt  
AI & Data Science Intern

- Participated in hands-on AI and data science training with real-world datasets.
- Gained foundational knowledge in data preprocessing, classification models, and machine learning pipelines.
- Worked on mini-projects in computer vision and natural language processing.

### PROJECTS

#### AI Machine Industry Maintenance (Predictive Maintenance | Machine Learning),

*Designed a predictive maintenance system to identify potential machine failures before they occur. 📄*

- Collected and cleaned real-world industrial sensor data.
- Trained supervised learning models (Random Forest, XGBoost) to predict maintenance needs.
- Improved operational efficiency by reducing downtime and maintenance costs.

#### Loan Approval Predictor (Machine Learning | Scikit-learn),

*Developed a classification model to predict loan approval based on applicant financial data. 📄*

- Processed and normalized structured datasets.
- Trained and evaluated multiple models (Logistic Regression, Decision Tree, Random Forest).
- Delivered an interpretable prediction system with accuracy-based model comparison.

**Raccoon Object Detection (Computer Vision | TensorFlow)**, *Developed an object detection model using RCNN, Fast RCNN, and Faster RCNN architectures to detect raccoons in images.*

- Preprocessed and labeled images for model training.

- Implemented using TensorFlow and OpenCV, optimized for CPU performance.
- Achieved strong detection accuracy through transfer learning and fine-tuning.

## TECHNICAL SKILLS

---

**Programming Languages** — C++, Java, JavaScript, Python, **AI & Data Science Tools** — Pandas, NumPy, Scikit-learn, TensorFlow, OpenCV, NLTK, spaCy, Matplotlib, Seaborn, Data Visualization, Machine Learning, Deep Learning, Natural Language Processing (TF-IDF, POS Tagging, Lemmatization, Stemming), Computer Vision (RCNN, Fast RCNN, Image Classification), **Other** — Problem-solving, Agile basics, REST APIs, Git & GitHub, VS Code, Linux

## CERTIFICATIONS

---

- Virtual Assistant Course - ALX [↗](#)
- HCCDA-Tech Essentials [↗](#)
- Sprints x Microsoft Summer Camp - Web Development [↗](#)
- Huawei HCIA-AI course [↗](#)

## LANGUAGES

---

### Arabic

Native

### English

B2 (Upper Intermediate)

## CODING ACHIEVEMENTS

---

- Solved 200+ problems on Codeforces (Student rank)
- Strong grasp of algorithms, recursion, greedy, and dynamic programming techniques
- Solved 100+ problems on LeetCode