

# Youssef Ramadan Youssef

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GitHub: [github.com/youssefry01](https://github.com/youssefry01)

Motivated Computer Engineering Student with hands-on experience in Machine Learning, Data Science, and full-stack development. Skilled in building predictive models, developing interactive apps, and working with libraries like scikit-learn, pandas, and NumPy.

Actively seeking to grow in AI-powered software development, with strong foundations in both hardware and software as part of a 5-Year Computer Engineering degree at Modern Academy for Engineering and Technology.

## Education

Bachelor of Engineering in Computer Engineering, **Modern Academy for Engineering and Technology** 2023 – 2027

Relevant Coursework: Machine Learning, Data Structures, Embedded Systems, Web Development

## Experience

### AMIT Learning – July 2025

- Built a **Social Media Addiction Predictor** using Python, scikit-learn, pandas, and Streamlit to estimate a user's addiction score based on behavioral data.
- Applied Linear Regression and feature engineering techniques to train and evaluate the predictive model on real-world data.
- Designed a user-friendly web app interface to allow users to input their data and visualize results interactively.
- Gained hands-on experience in data preprocessing, model evaluation, and deploying ML solutions to production-ready apps.
- Earned a certification after completing the program and successfully delivering the capstone project.

### Python Programming Intern – July 2024

- Learned and applied core Python concepts including data types, functions, loops, and OOP.
- Gained hands-on experience using **pandas**, **NumPy**, and **matplotlib** for data analysis tasks.
- Completed multiple assignments focusing on data manipulation and basic automation.

### Electrical Engineering & Embedded Systems Intern – Sep 2023

- Worked with **Arduino** to design and simulate circuits using **EAGLE** and real hardware.
- Built simple electronic systems and learned PCB design fundamentals.
- Explored basic **web development** to control/monitor systems via browser interfaces.

## Certificates & Licenses

### AMIT Machine Learning Course

Issued July 2025

### EF SET English Certificate 62/100 (C1 Advanced)

Issued July 2025

Credential URL: [cert.efset.org/en/fN5ZcP](https://cert.efset.org/en/fN5ZcP)

## Courses

Machine Learning with Python – AMIT Learning

- July 2025

# Projects

## Social Media Addiction Predictor – AMIT Learning – July 2025

Built and deployed a predictive ML model that estimates a user's social media addiction risk score based on behavioral and usage data.

- ♦ Applied scikit-learn for model development and interpretability through feature importance analysis.
- ♦ Designed a user-friendly interface using Streamlit to deliver personalized addiction feedback.
- Earned certification through AMIT Learning’s AI training program.

Additional work available on [GitHub](#), showcasing several projects.

# Skills

## Programming & Data Management

- **Languages & Libraries:** Proficient in Python, with strong expertise in Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, PyTorch, and TensorFlow for data analysis, machine learning, and deep learning tasks.
- **Databases:** Experience with SQL Server, MySQL, and MongoDB for data storage, querying, and management.

## Web Development (MERN Stack)

- Proficient in building full-stack applications using **MongoDB, Express.js, React.js, and Node.js**.
- Experience in RESTful APIs, authentication, state management (Redux), and responsive UI design.

## Version Control & Deployment

- Git, GitHub for version control and collaborative development.
- Familiar with containerization and deployment practices.

## Soft Skills

Leadership · Communication · Teamwork · Problem Solving · Adaptability · Flexibility Mentorship & Coaching · Critical Thinking

## Languages

- ♦ **Arabic:** Native Speaker
- ♦ **English:** C1 Advanced (EF SET - Full 4-Skills, 90-Minute Test)