

Nada Ayman

AI Engineer

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SUMMARY

Passionate Junior AI Engineer with a strong foundation in Machine Learning, Deep Learning, and Python. Experienced in building end-to-end ML workflows, image classification models, and AWS-based solutions. Seeking an entry-level AI/ML role to contribute to impactful, data-driven systems.

Skills

Programming Languages: Python, C++, Java

Tools & Frameworks: AWS, Jupyter Notebook, Google Colab, GitHub, GitLab, Flask, n8n

Machine Learning & Technical Skills: Machine Learning, Image Processing, Data Processing, Data Visualization, Object-Oriented Programming (OOP), Data Structures, MLOps , Model Deployment, REST APIs

PROJECTS

EEG-Based Mental Illness Classification (Graduation Project)

- Built a machine learning-based diagnostic system using EEG signals and symptom data.
- Implemented data preprocessing, feature extraction, model training, and evaluation pipelines.
- Achieved 98% classification accuracy, improving diagnostic reliability and decision-making

ML Workflow for Scones Unlimited (AWS SageMaker)

- Implemented an end-to-end ML workflow on AWS SageMaker.
- Covered data preprocessing, model training, evaluation, and deployment
- Focused on production-ready ML pipelines and cloud deployment

Landmark Classification & Tagging for Social Media

- Built a deep learning pipeline using transfer learning for landmark classification
- Automated image tagging to improve content discoverability on social platforms.

Handwritten Digits Classifier with PyTorch

- Implemented data preprocessing, training, and evaluation pipelines.
- Achieved 93.48% accuracy on the test dataset.
- Developed a deep learning-based handwritten digits classification model using PyTorch.

EDUCATION

Bachelor of Science in Computer Science

zagazig university

- GPA: 3.7, Grade: 88.792%(Excellent with honors)

PROFESSIONAL CERTIFICATIONS

AI Programming with Python Dec.2023

- Completed a professional course covering Python, NumPy, Pandas, Matplotlib, and foundational AI concepts including machine learning and neural networks; completed a capstone project applying these skills to a real-world problem.

AWS Machine Learning Engineer Sept.2024

- Completed training on building and deploying ML models using AWS, including SageMaker, data preprocessing, model evaluation, and hyperparameter tuning. Completed capstone projects applying ML to real-world datasets.

Generative AI and innovation certification) Jun.2025

- Completed a program focused on Generative AI concepts, tools, and applications, exploring innovative solutions and real-world use case

WORK EXPERIENCE

Technical support

YallaZaker (cairo) Sep 2024- Oct 2025

- Provided technical support and troubleshooting
- Collaborated with teams to improve user experience
- communicate with High school students to solve their problems

Languages

- English: professional
- Arabic: native