



Mohamed Ahmed Abdelhamed Abdelatif

Artificial Intelligence Engineer

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PROFILE

Recent computer science graduate from tanta university, specializing in machine Learning and ai model development. proficient in python, data analysis, and predictive modeling, with hands-on experience in building and deploying scalable machine learning solutions using frameworks like scikit-learn. adept at cloud-based deployments on azure. passionate about leveraging ai to solve real-world problems.

EXPERIENCE

Machine Learning Engineer

Apr 2024 - Oct 2024

Digital Egypt Pioneers Initiative (DEPI) - Hybrid, Tanta, Egypt

Technologies: NumPy, SciPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, Azure Machine Learning, MLflow, Hugging Face Hub, OpenCV, SpaCy, NLTK.

- Achieved 1st place out of 30+ teams for developing an NLP-based chatbot, evaluated on accuracy and usability.
- Recognized as the best group for delivering a high-quality project through effective team collaboration.
- Completed advanced training in AI, machine learning, and NLP, with a focus on deployment and scalability.
- Completed a 6-month program with 120+ hours of training in applied ML, CV, and NLP.
- Deployed 3+ ML models to Azure using MLflow and GitHub Actions for CI/CD.

Artificial Intelligence Intern

Apr 2025 - May 2025

Uneeq Interns - Remote, Cairo, Egypt

Technologies: Python, OpenCV, TensorFlow, MobileNetV2, Scikit-learn, NLTK, TF-IDF, Natural Language Processing (NLP), Machine Learning, and Streamlit.

- Successfully completed the April 2025 Artificial Intelligence internship.
- Built AI solutions that reduced manual processing time by 40% using MobileNetV2 and Streamlit.

SKILLS

Technical Skills: Machine Learning, Deep Learning, Data Preprocessing, Data Visualization, Model Deployment, Hyperparameter tuning, Feature engineering, Python, Scikit-learn, NumPy, Matplotlib, Seaborn, Pandas, Microsoft Azure, GitHub, Visual Studio Code, Jupyter Notebook, Google colab, Microsoft Teams, Microsoft office.

Soft Skills: Continuous Learning, Attention to Detail, Team Collaboration, Communication Skills, Problem Solving, Time Management, Highly motivated.

LANGUAGES

Arabic (Native Proficiency), English (Professional Working Proficiency)

EDUCATION

Bachelor of computer science (Tanta University)

Oct 2021 - Jun 2025

GPA: 3.6 / 4

PROJECTS

Signature Forgery Detection

Dec 2024 - Jan 2025

Achieved 95% accuracy on forged signature detection by developing an AI-powered computer vision model using CNNs, transfer learning, and advanced image preprocessing techniques such as noise reduction, binarization, and edge detection.

Technologies: Python, TensorFlow, PyTorch, Convolutional Neural Networks (CNNs), Transfer Learning, OpenCV, and Image Preprocessing Techniques (Noise Reduction, Binarization).

Video Forgery Detection Apr 2025 - May 2025

Achieved 93% accuracy in forged video detection by developing an AI-based computer vision model using CNNs, transfer learning with ResNeXt-50, and LSTM networks, with advanced video frame preprocessing to boost performance.

Technologies: Python, PyTorch, OpenCV, Convolutional Neural Networks (CNNs), Transfer Learning (ResNeXt-50), LSTM (Long Short-Term Memory), DataLoader, Video Frame Extraction, Image Preprocessing.

CERTIFICATION

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| Machine Learning Engineering Eyouth Company | Apr 2024 - Oct 2024 |
| Competitive Project (DEPI Program) Eyouth Company | Sep 2024 - Oct 2024 |
| Internship Uneeq Company | Apr 2024 - May 2024 |