

Ahmed Maher AbdRabbo

Junior Data Scientist | AI Engineer | Data Analyst

 27/12/2003

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Professional Summary

Junior AI Engineer who combines academic studies with hands-on projects to build intelligent solutions. Comprehensive training in machine learning, deep learning, and natural language processing with demonstrated expertise in developing and deploying systems using Python, PyTorch, and Scikit-learn. Strong technical foundation with proven problem-solving abilities and collaborative approach to delivering AI solutions with measurable business impact.

Education

Bachelor In Computer & Information Technology

Egyptian E-Learning University (EELU), Sohag – Expected Graduation: 2026

Relevant Coursework: Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Software Engineering, Web Development

Technical Skills

- **Programming:** Python, C++, Java, SQL
- **Machine Learning:** Classification, Regression, CNN, RNN, Hyperparameter Tuning, Model Evaluation
- **ML Frameworks:** PyTorch, TensorFlow, Scikit-learn, Keras, XGBoost
- **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau
- **Natural Language Processing:** NLTK, Hugging Face Transformers, spaCy, Text Preprocessing
- **Development Tools:** Git, Docker, Jupyter Notebooks, Google Colab
- **Databases:** MySQL, SQLite
- **Cloud Platforms:** Google Cloud Platform

- **Soft Skills:** Communication, Teamwork, Agile

Work Experience

AI Intern

August 2025 – Present

Instant Software Solutions

- Contributing to real-world AI projects across NLP, Computer Vision, and advanced AI fields
- Developing and deploying models (CNNs, RNNs, GANs) with Streamlit/Flask
- Delivering full-cycle data analysis and capstone projects integrating multiple AI domains

Machine Learning Intern

August 1 – August 25, 2025

UneeQ Interns

- Building ML models and applying deep learning to NLP and computer vision tasks
- Conducting EDA, cross-validation, and ethical deployment practices

Machine Learning Intern

July 3 – August 3, 2025

Codveda Technologies

- Trained ML models using supervised and unsupervised learning
- Applied feature engineering and model optimization techniques

AI Research & Development Trainee

October 2022 – Present

Egyptian E-Learning University (EELU), Sohag

- Conducting research on ML algorithms and improving model performance
- Automated data preprocessing and contributed to academic publications

Projects

Predictive Modeling for Outcome Forecasting

Developed and optimized ensemble classification models achieving over 90% validation accuracy on real-world healthcare datasets. Implemented feature engineering and cross-validation strategies to enhance model robustness.

Tools: Python, Scikit-learn, Jupyter, XGBoost, FeatureTools

AI-Powered NLP Chatbot for Customer Support

Built a PyTorch-based chatbot achieving 96% accuracy, designed to replace traditional customer service by guiding users through website content and answering customer queries and issues.

Tools: Python, PyTorch, Hugging Face Transformers, NLTK, Flask

Data Analysis Projects and EDA

Conducted multiple end-to-end data analysis projects, including data preprocessing, visualization, and statistical insight generation.

Tools: Pandas, Seaborn, Matplotlib, Power BI

Automated EDA Framework

Built a configurable automated exploratory data analysis system that reduces initial data assessment time by 75%. The framework generates comprehensive reports with statistical insights and visualization recommendations.

Tools: Pandas Profiling, Sweetviz, AutoViz, Python, Jupyter

Business Intelligence Dashboards

Created insightful and interactive dashboards for business KPIs and operational metrics.

Tools: Power BI, Excel, DAX

Certifications

AI Diploma (170 hours)

Instant Academy | 2025

Software Development Fundamentals

MEC Academy | 2023

HCIA - Artificial Intelligence

Huawei ICT Academy | 2024

Intro to Machine Learning

Kaggle | 2025

Python Programming

Kaggle (Python) | 2025

MaharaTech (Basics) | 2024

Sprints x Microsoft Summer Camp – AI and Machine Learning

Sprints | 2025