

# Ahmed Mohamed Ahmed

## Machine Learning Engineer

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### SUMMARY

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I am a Computer Science student aspiring to be a Machine Learning Engineer, with strong experience in Python, Deep Learning, and AI frameworks such as TensorFlow and PyTorch. I have experience developing AI models for real-world applications in Machine Learning, Computer Vision, and NLP, and I am passionate about building scalable, impactful AI solutions

### EDUCATION

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#### **B.Sc. in Computer Science - Expected 2027 at Faculty of Computers and Artificial Intelligence, Cairo University**

- Coursework: Software Engineering, Object-Oriented Programming, Algorithms, Data Structures, Operating Systems, Database Systems, Web Technology, Computer Networks , Foundation of Machine Learning , Supervised Learning .

### SKILLS

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**Programming Languages** — Python , C++ , Java , SQL

**Machine Learning and AI** — Supervised & Unsupervised Learning, Feature Engineering, Hyperparameter Tuning

**Deep Learning** — Neural Networks, CNNs, RNNs, Transformers, Transfer Learning

**Frameworks & Libraries** — TensorFlow, PyTorch, Scikit-learn, Keras, OpenCV, Pandas, NumPy, Matplotlib , Seaborn

**Tools & Platforms** — Git, GitHub, Jupyter Notebook, Google Colab, VS Code

### PROFESSIONAL EXPERIENCE

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#### **Machine Learning Scientist in Python, DataCamp** 08/2025 – 10/2025

- Skilled in building and evaluating machine learning models for classification, regression, and clustering tasks
- Experienced in feature engineering, hyperparameter tuning, and cross-validation Techniques to Improve model performance and generalization
- Competent in implementing deep learning models using PyTorch for tasks such as image classification and NLP
- Proficient in NLP libraries such as spaCy for text preprocessing, tokenization, and named entity recognition
- Familiar with image processing techniques including image augmentation, normalization, and transfer learning for computer vision tasks

#### **HCIA\_AI, Huawei** 07/2023 – 08/2023 | Cairo, Egypt

- Marked the beginning of my journey in AI
- Gained foundational knowledge of artificial intelligence concepts

### PROJECTS

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#### **Fake news Detection** *🔗 , NLP model that detects fake news*

- Developed NLP models for sentiment analysis and fake news detection using the Twitter Sentiment140 dataset
- Performed data preprocessing, feature engineering, and end-to-end model development
- Built and optimized machine learning and deep learning models including Naive Bayes, XGBoost, CNN, LSTM/ BiLSTM, BERT, and DistilBERT
- Utilized TF-IDF and word embeddings (GloVe) for feature representation and anomaly detection
- Applied model explainability techniques using SHAP and LIME

### LANGUAGES

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**Arabic** — Native • **English** — fluent