

Aly Mohamed Elbana

Tanta, Egypt | +20 109 913 3031 | alyelbana0@gmail.com
linkedin.com/in/aly-elbana | github.com/aly-elbana

Summary

Highly motivated Artificial Intelligence student with a strong foundation in software engineering principles and machine learning algorithms. Eager to apply theoretical knowledge and hands-on project experience to solve complex problems. Seeking an internship role to contribute to the development of innovative AI-driven solutions and grow within a dynamic engineering team.

Education

Bachelor of Science in Computer and AI Engineering | Tanta University, Egypt | Sep 2023 – Jul 2028 (Expected)

GPA: 3.3 / 4.0

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming (OOP), C++, Neural Networks, Computer Networks, Database Design

Experience

Commercial International Bank (CIB) | Cairo, Egypt | Summer Trainee | Jul 2025 – Sep 2025

- Analyzed customer transaction data using SQL and Python to identify trends and insights.
- Supported dashboard development for system monitoring.
- Presented weekly reports summarizing analytical findings.

National Telecommunication Institute (NTI) | Cairo, Egypt | Network Security Trainee | Jul 2025 – Aug 2025

- Completed a 120-hour intensive program in network security fundamentals.
- Engaged in 90 hours of hands-on labs and 30 hours of soft skills sessions.
- Scored 92.5%, demonstrating high competency in cybersecurity concepts.

Technical Skills

Programming Languages: Python, C++, Java, JavaScript, Dart

AI & ML Frameworks: PyTorch, TensorFlow, Keras, Scikit-learn, LangChain, Pandas, NumPy, NLTK, OpenCV

Specialties: Machine Learning, Deep Learning, Computer Vision, NLP, Prompt Engineering, Data Engineering

Web Development: Node.js, Express.js, React, HTML, CSS, MongoDB, MySQL, MS SQL Server

Developer Tools: Git, GitHub, Docker, VS Code, PyCharm, CLion

Projects

Todoist-Automation-ChatBot | GitHub Link

Python, LangChain, Google Gemini API, Todoist API

Developed an AI-powered task management assistant that supports English and Arabic for natural language task handling. Implemented modular OOP design with seamless Todoist API integration.

Tire Quality Classification System | GitHub Link

PyTorch, ResNet50, Transfer Learning, Gradio, CUDA

Built a ResNet50-based deep learning model achieving 95.16% accuracy. Applied transfer learning, mixed precision training, and deployed with Gradio for real-time testing.

CineSenti - IMDb Review Sentiment Analysis | GitHub Link

Python, Keras, LSTM, GloVe, Streamlit, Pandas

Trained an LSTM network using GloVe embeddings for movie review sentiment classification. Deployed as a

Streamlit web app for real-time predictions.

Auth-System-MERN | [GitHub Link](#)

React, Node.js, Express.js, MongoDB, JWT, Tailwind CSS

Developed a secure full-stack authentication app with email verification, JWT protection, and modern responsive UI built with React and Tailwind.

AI ChatBot - AutoBot | [GitHub Link](#)

Python, Gradio, LangChain-Google-GenAI, PyPDF2

Created a multimodal chatbot supporting text, images, and files using Google Gemini AI. Implemented real-time streaming responses and intelligent file-type detection.

ETL Banks Project | [GitHub Link](#)

Python, Pandas, BeautifulSoup, SQLite, Requests

Built an ETL pipeline scraping and transforming bank data with multi-currency conversion and SQLite integration.

Recommender-System (Movie Recommendation System) | [GitHub Link](#)

Python, Pandas, NumPy, Scikit-learn, SVD

Implemented hybrid recommendation models: Popularity, Content-Based (TF-IDF + cosine), and Collaborative Filtering (SVD).

Certifications

- Deep Learning Specialization - DeepLearning.AI (Coursera) (May 2025)
- Machine Learning Specialization - Stanford University & DeepLearning.AI (Coursera) (Aug 2025)
- Data Engineering Foundations Specialization - IBM (Coursera) (May 2025)
- Google Data Analytics Professional Certificate - Google (Coursera) (Dec 2024)
- Getting Started with Deep Learning - NVIDIA (Aug 2025)
- Deep Learning with PyTorch (Vision and NLP) - ITI (Oct 2025)
- TensorFlow 2: Sequential APIs Mastery - ITI (Oct 2025)
- Deep Learning for Computer Vision - ITI (Oct 2025)
- Computer Vision Applications - ITI (Oct 2025)
- Introduction to Big Data - UC San Diego (Aug 2025)
- Hands-on Introduction to Linux Commands and Shell Scripting - IBM (May 2025)
- Database Fundamentals - ITI (Oct 2025)