AHMED ABDULMORDY ABDULGHANY

AI Engineer

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PROFESSIONAL SUMMARY

Software Engineering student with 3+ years of hands-on experience in AI/ML development, data Science, and full-stack programming. Built production-ready applications, delivered machine learning solutions, and led technical teams. Expertise in Python, C++, and modern ML frameworks with a strong foundation in data structures, algorithms, and software architecture.

EDUCATION

Egyptian Chinese University, *Bachelor of Engineering in*   07/2026 | Cairo, Egypt
Software Engineering and Information Technology
Current GPA: 3.46/4
Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Computer Vision, Machine Learning, Data Mining, Operating Systems, Software Enginooring, Database Systems

STEM High School for Boys fith of October,   07/2019 | Egypt
High School Diploma STEM Program
GPA: 4.0/4.0
Valedictorian Mathematics and Computer Science Track

PROFESSIONAL EXPERIENCE

Orange Digital Center Egypt,   03/2024 – 07/2024 | Cairo, Egypt
Artificial Intelligence Engineer Intern
- Developed and deployed 5+ machine learning models, achieving more than 92% accuracy.
- Designed automated data preprocessing pipelines and optimized neural network performance (CNNs, RNNs) using CUDA programming, improving inference. speed by 35%
- Presented technical findings to senior leadership, influencing strategic decisions for 2 products

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KEY PROJECTS

Tech Market Analysis: AI-Powered Job Market Insights   2025
Platform,
www.github.com/ahmedabdulghany7/Tech-Market-Analysis
🔗
Python, Machine Learning. Streamlit. Data Analysis
- Developed a comprehensive project to analyze the software job market in Egypt and global trends using the Stack Overflow Developer Survey 2024. The project utilizes machine learning models to predict salaries, forecast job demand, and provide actionable insights for companies and employees.
- Built an interactive dashboard serving 1,000+ monthly users with real-time job market insights.

Concrete Strength Prediction Engine, 2025

www.github.com/ahmedabdulghany7/Concrete-Compressive-Strength 🔗

Machine Learning, Feature Engineering, Streamlit

- Built regression models predicting concrete compressive strength with 92% accuracy using advanced feature engineering.
- Processed and analyzed 1,000+ material composition records, identifying key strength-influencing factors.

High-Performance Statistical Analysis Engine, 2023

www.github.com/ahmedabdulghany7/Statistical-Data-Analysis-Engine-using-CPP 🔗

C++ STL, Algorithm Optimization

- Architected a C++ application processing 100,000+ CSV records in under 2 seconds, 50% faster than competitors.
- Developed robust file I/O operations with exception handling, optimized string parsing algorithms for CSV conversion, and statistical computation routines using STL. containers and algorithms.
- Achieve 40% performance improvement through custom parsing algorithms and parallel processing.

TECHNICAL SKILLS

Programming Languages — Python, C++, SQL, C, JavaScript, HTML, CSS, **Machine Learning & AI** — TensorFlow. PyTorch, Scikit-learn, Keras, OpenCV, NumPy, Pandas, CUDA | Specialized Domains: Natural Language Processing, Computer Vision, Time Series Analysis, Deep Learning, **Web Development** — Flask, Django, REST APIs, Socket Programming, React, **Databases & Big Data** — MySQL, PostgreSQL., MongoDB, Apache Spark, Hadoop, **Cloud & DevOps** — AWS, Docker, Kubernetes, Git, **Data Analysis & Visualization** — Tableau, Power BI, Matplotlib, Seaborn, Plotly, Excel

LEADERSHIP & ACHIEVEMENTS

International Collegiate Programming Contest, 09/2023 – Present

ICPC Programming Coach

- Train and mentor 50+ students in competitive programming, achieving 80% performance improvement.
- Led team preparation for regional competitions, securing top 2 placements in 2 consecutive contests.

Developer Student Clubs, 09/2020 – 08/2021

Google Developer Students Club Lead

- Led organization of 500+ students, organizing technical workshops.
- Increased club engagement by 150% through innovative programming challenges.

STEM High School for Boys, *Assistant IT Manager* 09/2016 – 06/2019

- Managed IT infrastructure supporting 500+ students and 50+ School members across 3 campuses.

LANGUAGES

Arabic

Native Proficiency

English

Professional (Working Proficiency)