TAHA MOHAMED

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SUMMARY

AI

EDUCATION

MODERN ACADEMY   Sep 2022 – January 2026

Bachelor of Computer Science, Major in AI   cairo

Relevant Coursework: Artificial Intelligence, Machine Learning, NLP, Data Structures & Algorithms, OOP, Software Engineering, Databases, Operating Systems, Networks, Cyber Security, Distributed Systems & Cloud Computing, Information Systems

EXPERIENCE

INSTANT SOFTWARE SOLUTION   Mar 2025 – Present

AI Engineer Trainee

- Worked on OOP-based applications using Python with hands-on problem-solving and modular design
- Developed data analysis pipelines, including data cleaning, KPIs extraction, and dashboard visualizations
- Implemented machine learning models (Regression, SVM, K-NN, Random Forest) and evaluated model performance on real client datasets
- Collaborated in team-based software development environments using Git and agile workflows

SUMMER TRAINING – RASHID PETROLEUM COMPANY (RASHPETCO)   Jul 2025 – Aug 2025

IT Intern   Alexandria, Egypt

- Implemented networking concepts (OSI & TCP/IP) in real operational systems
- Practical experience in network device configuration and connectivity troubleshooting.
- Performed computer hardware/software diagnostics and system performance improvement
- Worked with Windows Server & Active Directory in enterprise infrastructure.

PROJECTS

GRADUATION PROJECT — AI CAREER GUIDANCE & INTERVIEW PREPARATION (IN PROGRESS)   Feb 2025 – Present

- LLM Job Recommendation Model: Fine-tuned Qwen-2.5 7B using LoRA + PyTorch on a custom CV dataset containing 29,000 labeled job-role samples (2400 training steps) to recommend the most suitable position directly from CV text, and deployed on HuggingFace for inference..
- Interview Behavior Analysis Model: Developing a real-time system that analyzes facial expressions, posture, and speech performance using MediaPipe, OpenCV & Whisper to provide automated interview feedback

STUDENT GRADE TRACKER – OBJECT-ORIENTED PYTHON APPLICATION   May 2025

- Developed an Object-Oriented Python application to manage students, subjects, and grades using custom-built class structures (Student, Subject, GradeTracker)
- Implemented data validation, student auto-ID generation, and subject-grade mapping, ensuring scalable and error-free data handling
- Built a file persistence system to save and reload student performance data for continuous tracking and reporting

MENTAL HEALTH DATA ANALYSIS DASHBOARD   Aug 2025

- ● Analyzed a 292K-row mental health dataset (Kaggle) using pandas & NumPy for cleaning, preprocessing, and KPI extraction
- Analyzed a 292K-row mental health dataset (Kaggle) using pandas & NumPy for cleaning, preprocessing, and KPI extraction.
- Implemented statistical insights & segmentation by gender, occupation, and treatment history to reveal high-risk categories
- Delivered insights showing that women are 7% more affected by stress, and students with a family history face 16.7% higher severe mood swings

SKILLS

Programming Languages: Python, C++, SQL, Java

Machine Learning & Deep Learning: Supervised Learning, Unsupervised Learning, Classification & Regression Models, Decision Trees, Random Forest, K-NN, SVM, Logistic & Linear Regression, Transfer Learning, Fine-tuning

ML Libraries & Frameworks: PyTorch, NumPy, pandas

Data Analysis & Visualization: Data Cleaning & Preprocessing, Exploratory Data Analysis, Streamlit Dashboards, Power BI

Databases: MySQL, SQLite, Database Design & Queries

Networking Skills: Packet Tracer Projects, Routing & Switching Basics, Network Troubleshooting