

HESHAM AHMED WAGEEH ELSAYED

AI Engineer | AI/ML Engineer | Data Analyst

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PROFESSIONAL SUMMARY

Results-driven **AI/ML Engineer and Data Analyst** with **2+ years** of hands-on experience spanning machine learning, generative AI, LLMs, and data analytics. Holder of the **IBM AI Engineering Professional Certificate** with deep expertise in transformers, NLP, deep learning, and generative AI architectures. **Founder and CEO of MalwareGuard**, an AI-powered cybersecurity platform. Successfully delivered **25+ freelance projects** with 100% client satisfaction. Combines advanced technical capabilities with strong business acumen to build production-ready AI systems and deliver actionable, data-driven insights.

EXPERIENCE

Generative AI Engineer Intern — DEPI — Digital Egypt Pioneers Initiative

Egypt

Nov 2025 – Jul 2026

- Completed advanced Generative AI Engineering program covering LLMs, transformers, NLP pipelines, and AI deployment at scale
- Designed, fine-tuned, and evaluated generative AI models for text generation, summarization, and classification tasks
- Implemented RAG (Retrieval-Augmented Generation) pipelines and LLM-powered production-grade applications
- Applied IBM AI Engineering curriculum: deep learning (CNNs, RNNs), computer vision, NLP, and transformer architectures
- Graduated with a comprehensive AI capstone project solving a real-world industry problem using end-to-end ML pipelines

Founder & CEO — MalwareGuard — malwareguard.tech

Remote

2025 – Present

- Founded MalwareGuard, an AI-powered cybersecurity and malware detection platform built from the ground up
- Architected core ML/AI systems for real-time threat detection using deep learning and NLP-based behavioral analysis
- Responsible for the full product lifecycle: ideation, technical architecture, AI model development, and cloud deployment
- Integrated LLM-based threat intelligence and generative AI for automated security reporting and actionable analysis
- Manages all business operations, partnerships, and continuous platform research and development

Freelance Data Analyst & AI Consultant — Mostaqi & Khamsat Platforms

Remote

Oct 2024 – Present

- Delivered **25+ projects** with 100% client satisfaction across data analytics and AI consulting over 2+ years
- Built custom dashboards, predictive models, and BI solutions using Power BI, Tableau, Python, SQL, and Excel
- Applied ML and generative AI techniques to client engagements, accumulating **1+ year of applied AI/ML work**
- Provided end-to-end data services: data cleaning, ETL pipeline design, visualization, and executive KPI reporting
- Managed full project delivery lifecycle with consistent on-time, high-quality results for diverse industry clients

Data Analytics Specialist Intern — DEPI — Digital Egypt Pioneers Initiative

Hybrid

May 2024 – Sep 2024

- Led project and study groups as team leader; recognized with the **Excellent Team Leader Award**
- Demonstrated top-tier proficiency in Python, SQL, Excel, Power BI, and Tableau through examinations and projects
- Developed multiple interactive dashboards for complex dataset visualization and business intelligence storytelling
- Completed graduation project applying advanced analytics methodologies to a real-world business scenario

EDUCATION

B.Sc. in Mathematics and Computer Science — Helwan University

Cairo, Egypt

Sep 2022 – 2026

- GPA: 3.00 / 4.00
- Relevant Coursework: Statistics, Probability, Database Systems, Programming, Mathematical Analysis, Algorithms

TECHNICAL SKILLS

AI & Machine Learning: Deep Learning (TensorFlow, PyTorch, Keras), Scikit-learn, Computer Vision, NLP, Transformers, Model Training & Evaluation

Generative AI & LLMs: LLM Fine-Tuning, Prompt Engineering, RAG Pipelines, Hugging Face, LangChain, Text Generation, Sum-

marization, Classification

Data Analysis & BI: Power BI, Tableau, Excel (Advanced), SQL, Python (Pandas, NumPy, Matplotlib, Seaborn)

Database & ETL: MySQL, Data Warehousing, Database Design, ETL Processes, Data Modeling, Data Cleaning

Analytics Techniques: Statistical Analysis, Predictive Modeling, Data Mining, KPI Design, Trend & Seasonality Analysis

Soft Skills: Entrepreneurship, Leadership, Project Management, Cross-cultural Communication, Problem Solving

KEY PROJECTS

- MalwareGuard — AI Cybersecurity Platform — malwareguard.tech** 2025 – Present
- Designed and built an AI-powered malware detection and cybersecurity analysis SaaS platform end-to-end
 - Developed threat detection ML models using deep learning and NLP for real-time malware classification
 - Integrated LLM-based threat intelligence for automated, actionable security reports
- DALLM — AI Data Analysis Language Model — *Personal Project*** 2025 – Present
- Built a large language model purpose-built for data analysis, acting as a Claude/GPT-style assistant focused exclusively on data cleaning, exploration, and dashboarding
 - Engineered automated data cleaning pipelines to detect and resolve missing values, outliers, and inconsistent formatting
 - Implemented LLM-driven analytical workflows that generate dashboards and visual insights directly from raw datasets
- AdventureWorks Comprehensive Analysis — *Power BI*** 2024
- Built multi-page sales and inventory dashboard with customer segmentation and buying pattern analysis
 - Created product performance analytics with trend forecasting and seasonality detection

CERTIFICATIONS

- IBM / Coursera**
- IBM AI Engineering Professional Certificate (V3) Feb 2026
 - Generative AI Engineering with Transformers & LLMs Feb 2026
 - Generative AI Language Modeling with Transformers Feb 2026
 - Generative AI Foundational Models for NLP & Language Understanding Feb 2026
 - Generative AI and LLMs: Architecture and Data Preparation Feb 2026
 - Generative AI Applications Specialist Feb 2026
 - AI Capstone Project with Deep Learning Feb 2026
- Cisco**
- Cisco Networking Academy Learn-A-Thon 2026 Apr 2026
- University of Colorado Boulder**
- Introduction to Data Analytics for Business Aug 2025
- Maven Analytics**
- Microsoft Power BI Desktop Sep 2024
 - MySQL Data Analysis Sep 2024
 - Advanced Excel Dashboard Design Sep 2024
 - Excel Charts Sep 2024
 - Python Foundations for Data Analysis Sep 2024
 - Intro to Tableau Desktop Sep 2024
 - Thinking Like An Analyst Sep 2024

HONORS & AWARDS

- **Excellent Team Leader Award (DEPI)** — Recognized for exceptional leadership, cross-functional team management, and driving team performance to achieve project milestones effectively

ADDITIONAL INFORMATION

Languages: English (B2), Arabic (Native)

Interests: AI Research, Generative AI, LLMs, Cybersecurity, Data Science, Entrepreneurship, Continuous Learning