

# Moetaz Hady Darwish Mohamed

## Senior AI Trainer / Technology Professional

### SUMMARY

Software engineer with extensive expertise in Python, Django, and AI/ML integration, adept at developing high-performance, scalable solutions. Significant experience in AI model training, data validation, and physics-based simulations, contributing to innovation in AI-driven applications. Strong background in data analysis and visualization using tools like Tableau and Looker Studio. Proven success in mechanical systems design and optimization. Holds a B.Sc. in Business Administration and a suite of technical certifications, including HackerRank problem-solving and Python programming. Over a decade of professional experience, offering a rich blend of technical prowess, analytical acumen, and project management skills.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Python, Django REST framework, VBA, NLP, Data Validation
<b>Programming Languages</b>	JavaScript, Python, VBA
<b>Python Frameworks</b>	Django REST framework
<b>AI &amp; Machine Learning</b>	NLP
<b>PHP Frameworks</b>	Slim
<b>.NET Platform</b>	VBA
<b>Databases &amp; Management Systems / ORM</b>	SQL
<b>UI Frameworks, Libraries, and Browsers</b>	CSS, HTML
<b>Azure Cloud Services</b>	Azure Cloud Functions
<b>QA, Test Automation, Security</b>	Data Validation
<b>Project Management &amp; Administration</b>	Project Management
<b>Platforms</b>	RPA
<b>Operating Systems</b>	Unix
<b>Other Technical Skills</b>	Simulator

## WORK EXPERIENCE

### Instructor, Megaminds

**Duration:** February 2025 – Present

**Summary:** Developed hands-on projects to enhance students' understanding of robotics concepts and problem-solving skills.

**Responsibilities:** Designed and implemented educational robotics projects for students, fostered creative learning environments, and inspired interest in STEM.

**Technologies:** Educational Robotics, STEM  
AI Trainer, Role BPO QA, Translation Project

**Duration:** December 2024 – Present

**Summary:** Analyzing all submitted data from labelers and operators to assess performance and identify causes of low-quality labeling.

**Responsibilities:** Quality sampling, feedback on sampled cases, managed appeals for cross-rejected cases, calibration, root cause analysis, monitored real-time output, generated reports on overall performance.

**Technologies:** Labeling Tools, Data Analysis, Quality Assurance  
AI Trainer, Mathematics Project, Physics-Based AI Training

**Duration:** September 2024 – Present

**Summary:** Reviewed and enhanced the accuracy and clarity of AI-generated responses to mathematical questions and collaborated on physics-related AI model training.

**Responsibilities:** Reviewed AI content, provided feedback for AI model enhancement, validated data accuracy, trained AI models for physics simulations and analysis.

**Technologies:** LaTeX Formatting, AI/Machine Learning, Data Validation  
Python / Django Developer, AI-Powered Trading Bot, Hydroponic Management System, E-Commerce Platform, ML Projects, Physics Simulations

**Duration:** April 2020 – Present

**Summary:** Designed and deployed a stock trading bot, a wireless hydroponic management system, a multi-platform e-commerce application, and implemented ML/NLP models.

**Responsibilities:** Developed trading bot, hydroponic management system, and e-commerce platform, developed ML models for various applications, and created physics simulations.

**Technologies:** Python, Pandas, APIs, Django, Arduino, Flutter, TensorFlow, OpenCV, Mediapipe  
Data/Business Analyst, Various Data/Business Analyst Projects

**Duration: September 2023 – Present**

**Summary: Conducted web scraping for data extraction, developed scripts for data cleaning and contact information extraction, and designed data visualization dashboards.**

**Responsibilities: Web scraping, data cleaning and automation, dashboard and visualization design, financial market analysis.**

**Technologies: Python (BeautifulSoup, Selenium), Tableau, Looker Studio Business Development Manager, Digital Transformation, Supply Chain Optimization, Banking & Financial Services Management**

**DURATION: SEPTEMBER 2008 – JULY 2021**

**SUMMARY: OVERSAW DIGITAL TRANSFORMATION AND SUPPLY CHAIN OPTIMIZATION, MANAGED BANKING AND FINANCIAL SERVICES TO SUPPORT THE BUSINESS OPERATIONS.**

**RESPONSIBILITIES: DIGITAL SALES ENHANCEMENT, SUPPLY CHAIN OPTIMIZATION, BANKING SERVICES MANAGEMENT, FINANCIAL DECISION-MAKING.**

**TECHNOLOGIES: E-COMMERCE, SUPPLY CHAIN MANAGEMENT, FINANCIAL ANALYSIS**

**EDUCATION**

- **B.Sc. in Commerce (Business Administration), English Section**  
2001 – 2007

**CERTIFICATION**

- **ISO 19011:2002 Audit Certification**  
2010
- **Russian Language Course**  
2011
- **Export Market Orientation Mission (EMOM)**  
2021
- **Problem Solving, HackerRank**  
Certificate No.: 443550512535  
2023
- **Python Programming, HackerRank**  
Certificate No.: cd13e820cdd8  
2024
- **Climate Change for Businesses, MicroMentor**  
2024