

Ahmed Hesham Sakr

📍 Doha, Qatar

✉ a.hesham1221@gmail.com

☎ +974 52007868

🌐 [linkedin.com/in/AhmedHeshamSakr](https://www.linkedin.com/in/AhmedHeshamSakr)

🐙 github.com/AhmedHeshamSakr

Summary

AI Project Coordinator with hands-on experience in **enterprise AI adoption**, **client management**, and **technical project delivery**. Background in Computer Engineering with expertise in machine learning, deep learning, and software development. Currently managing multiple AI implementation projects for government clients and leading enterprise wide AI training initiatives. Passionate about bridging the gap between cutting edge AI technologies and practical business solutions.

Professional Experience

AI Project Coordinator, [Sinwan Business Solutions](#) – Doha, Qatar Sept 2025 – Present

- Managing 6+ AI solution projects for the Ministry of Endowments and Islamic Affairs (AWQAF Qatar), including Khateeb Assistant, Khotba Translation System, Zakat Management System, Hajj Chatbot, and Partner of Success Ideation Platform.
- Leading enterprise AI training program for **3,000+ government employees** on Google Gemini Enterprise tools utilization and best practices.
- Serving as primary liaison between clients and development teams, conducting stakeholder meetings, gathering requirements, drafting technical specifications, and ensuring alignment between business needs and technical implementation.
- Managing Google Cloud Partner Advantage portal activities, including deal registrations, partner opportunities, and compliance with partnership requirements.
- Creating presentations, demos, and proof-of-concept materials to communicate AI solution value propositions to stakeholders and maintain client engagement.
- Coordinating with Google teams on partnership opportunities, technical consultations, and platform capabilities for client projects.

Education

Faculty of Engineering, Ain Shams University, Egypt, BS in Computer Engineering and Software Systems Sept 2019 – Jun 2025

Certifications & Training

Diploma in Data Science, AMIT (In Progress) Jul 2025 – Present

Comprehensive program covering Python for AI/Data Science, SQL database management, data analysis and visualization, machine learning algorithms, and deep learning frameworks (Keras, PyTorch, TensorFlow).

IBM AI Engineering Professional Certificate 🌟 Summer 2024

- Implemented ML algorithms (Classification, Regression, Clustering, Dimensionality Reduction) using SciPy and Scikit-learn.
- Deployed ML algorithms and pipelines on Apache Spark for Big Data processing.
- Built deep learning models using Keras, PyTorch, and TensorFlow, including autoencoders, CNNs, RNNs, and Restricted Boltzmann Machines.

Full-Stack Web Development Training, Next Academy 🌟 Summer 2023

- Acquired full-stack development skills including front-end (HTML, CSS, JavaScript) and back-end technologies.
- Built responsive web applications with integrated and optimized full-stack solutions.

AI and ML Training, Sprints 🌟 Summer 2022

- Applied ML algorithms and Neural Networks using Python, Jupyter, and Google Colab.
- Implemented CNNs for Object Detection and Segmentation projects.

Volunteer Experience

- Graduation Project Mentor**, Ain Shams University (Volunteer)Oct 2025 – Present
- Mentoring two senior engineering teams through weekly meetings, providing guidance on project direction, tool selection, and technical implementation.
 - **Social Guard**: Browser extension for detecting AI-generated fake text and images on social media platforms.
 - **StudentVault**: Cross-platform solution featuring a mobile app for lecture transcription/summarization and desktop application for processing and file management.

AI Engineering Projects

- Graduation Project: TEAN Mate**, Sponsored by Microsoft 
- Developed a comprehensive AI-powered browser extension enhancing web accessibility for users with visual, auditory, motor, and cognitive impairments. Integrated four core features: Text-to-Speech (TTS), Speech-to-Text (STT), Sign Language Recognition, and AI-powered Image Captioning.
 - Implemented high-performance TTS using PiperTTS with WebAssembly optimization, achieving industry-leading inference speed of <25ms per word with intelligent text extraction and customizable voice settings.
 - Built real-time ASL translation pipeline combining MediaPipe pose estimation, Uni-Sign model for gloss recognition, and LLM integration, achieving 50% gloss prediction accuracy with end-to-end latency under 1 second.
 - Developed image captioning system using Florence-2 model with ONNX Runtime, providing sub-second inference for generating natural language descriptions of web images.
 - Engineered entire solution to run locally within browser environment ensuring user privacy, with cross-browser compatibility.
- OCR Models Improvements and Comparison** 
- Conducted comparative analysis of CNN architectures (DenseNet121, ResNet50, MobileNetV3Large, EfficientNetB0) for OCR tasks, focusing on lowercase alphanumeric character recognition.

Software & Mobile Development Projects

- Distributed Image Processing System using Cloud Computing** 
- Built a distributed image processing system using Microsoft Azure for dynamic workload distribution across VMs, OpenCV for image processing, and Flask-based web interface.
 - **Tools**: Python, Flask, Microsoft Azure, Linux VMs.
- Hedieaty: Gift List Management App** 
- Developed a cross-platform Flutter app for creating and sharing gift lists with barcode scanning, real-time Firebase syncing, and push notifications.
 - **Tools**: Dart, Flutter, Firebase, Android Studio.

Technical Skills

Languages: Python, C++ , SQL, JavaScript, PHP, Java, Dart
AI/ML: TensorFlow, PyTorch, Keras, Scikit-learn, OpenCV, ONNX Runtime, Apache Spark
Cloud & Platforms: Google Cloud Platform, Microsoft Azure, IBM Cloud, Firebase
Development: Flutter, Flask, Git, Linux, Docker
Tools: Jupyter, Google Colab, VS Code, Android Studio

Languages

Arabic: Native **English:** Professional Working Proficiency