

# Ahmed Galal Elzeky

Microsoft Certified: Azure AI Engineer Associate — NLP Specialist — Software Developer

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## EDUCATION

### ESLSCA University

*B.Sc. Computer Science, GPA: 3.5/4.0*

Sep 2021 – Sep 2024

*Cairo, Egypt*

### Japan Human Academy

*Japanese Language and Business Manner (Remote)*

Oct 2024 – Jan 2025

*Japan*

## EXPERIENCE

### AI Engineer

*Intelligent Systems I-Sys*

Feb 2025 – Present

*Smart Village, Egypt (Hybrid)*

- **Built** secure on-prem and cloud-based AI assistants using IBM Watsonx.AI, Orchestrate, and Discovery for enterprise clients.
- **Created** conversational agents to **automate repetitive internal workflows**, reducing manual task load.
- **Trained** Egyptian and Saudi dialect-specific TTS/STT models to enable natural language voice commands.
- **Deployed** document parsing and RAG pipelines to automate contract review and knowledge retrieval.
- **Facilitated** AI workshops and live demos to C-suite executives, helping shape enterprise AI strategy.

[\[Workshop Example Link\]](#)

### Intern, AI Developer

*Eviron Adapt*

Aug 2024 – Oct 2024

*SODIC, Egypt*

- **Developed** a Siamese Network for image similarity detection, reducing manual tagging and financial discrepancies in trash bale tracking.
- **Created** a validation model for image quality control based on partner standards, improving rejection accuracy.

### Intern, AI Developer

*ESLSCA University*

Feb 2024 – Apr 2024

*Sheikh Zayed, Egypt*

- **Built** a GPT-based admissions assistant that automated form responses and document checks for applicants.
- **Contributed** to the AI system that helped ESLSCA win the Times Higher Education Award 2024. [\[Blog Link\]](#)

### Intern, Software Developer

*IIG-HEC*

Jun 2023 – Dec 2023

*Downtown Katameya, Egypt (Remote)*

- **Developed** a dynamic portfolio website using ReactJS and Firebase, improving internal project visibility.
- **Built** a real-time blog publishing system with Firestore and Firebase Storage.
- [\[Website Link\]](#)

## ACHIEVEMENTS

- **Published Research:** Procedia Computer Science (Elsevier) — “Multi-Hop Arabic LLM Reasoning in Complex QA.”

*Published in a peer-reviewed Elsevier journal focused on applied computer science.*

[\[Paper Link\]](#)

- **Innovation Award:** Contributed to my university’s project that won *Technological or Digital Innovation of the Year* at the Times Higher Education Awards Arab World 2024 (Dubai).

*Awarded for outstanding implementation of AI in academic processes.*

[\[Blog Link\]](#)

- **Hackathon Winner:** Won the GenAI Hackathon hosted by Stakpak.

*Built a working prototype within 48 hours solving real-world AI challenges.*

[\[Post Link\]](#)

- **Startup Recognition:** Top 3 Finalist in GESAwards Africa 2024 with GPTube.

*Represented Egypt and North Africa globally among leading EdTech startups.*

[\[Post Link\]](#)

SELECTED PROJECTS

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**AI CFO Assistant**

2025

Swipelabs

Next.js, FastAPI, Supabase, QuickBooks API, Postmark

- **Built** an AI CFO tool integrated with QuickBooks for **automated financial analysis**.
- **Automated** weekly digest reports on **revenue, burn rate, and overdue invoices**.
- **Enabled** forecasting and budget insights using natural language queries.
- **Designed** dashboards to highlight financial changes and anomalies.

**Slack AI Assistant**

2025

Swipelabs

Python, Flask, Slack API, Trello, ClickUp, PostgreSQL

- **Created** a GPT assistant to streamline Slack workflows and team communication.
- **Linked** Slack with Trello, ClickUp, and Google Calendar for task updates.
- **Integrated** CRM-style follow-ups and time tracking features.
- **Reduced** response delays and improved team coordination.

**Language Learning Platform**

2024

Personal Project

Django REST, Next.js, React, Google Gemini

- **Built** an AI vocabulary app with spaced-repetition and mastery scoring.
- **Implemented** a story generator using 90% known / 10% new vocabulary.
- **Added** AI grammar tutor, tracker, and gamified review system.
- **Launched** a reader with contextual lookup and flashcard creation.

**GPTube**

2024

Graduation Project

Azure, LangChain, Django, React, OpenAI, Chroma DB

- **Built** a platform to convert YouTube videos into quizzes, summaries, and slides.
- **Used** LangChain + OpenAI to generate contextual learning materials.
- **Selected** as a GESAwards Africa 2024 finalist, representing Egypt.
- [\[GitHub Link\]](#)

CERTIFICATIONS

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**Microsoft Certified: Azure AI Engineer Associate**

May 2025

Credential ID: FA9AAA1E4EAF1DC.

SKILLS

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- **Programming Languages:**  
Python, TypeScript / JavaScript, C#
- **AI, ML, and Data Science:**  
TensorFlow, Keras, Pandas, NumPy, scikit-learn, LangChain
- **Web and API Frameworks:**  
React.js, Next.js, Django, FastAPI, Flask, Express.js
- **Databases and Dev Tools:**  
PostgreSQL, MongoDB, Firebase, Supabase, Git, Postman
- **Cloud and AI Platforms:**  
Microsoft Azure, IBM Watsonx, Google Cloud