

Ziad Algendi

Nationality: Egyptian | **Phone number:** (+20) 1018631663 (Mobile) | **Email address:** ziadgaseralgendi@gmail.com | **Website:** <https://ziadgaser.com> | **LinkedIn:** <https://www.linkedin.com/in/ziadalgendi> | **Address:** Giza, Egypt (Home)

● ABOUT ME

Demonstrated proficiency in crafting software solutions across multiple domains, encompassing application development, web design, game creation, and machine learning model implementation. Thrives in fast-paced environments, consistently acquiring new skills to drive innovation.

● WORK EXPERIENCE

SOFTWARE ENGINEER – HOOPOE DIGITAL – 01/07/2025 – Current – EGYPT

- Own map production end to end: turning architectural floor plans into fully featured 3D navigation maps.
- Configured and tuned network access controllers across guest WiFi deployments.
- Improved audit logging across the management platform, giving operators a reliable change history.
- Added configuration features letting customers manage their digital menu deployments directly.
- Led security hardening work spanning vulnerability remediation, encryption at rest and code obfuscation.

SOFTWARE ENGINEER – SAFARIA – 01/10/2024 – 01/07/2025 – GIZA, EGYPT

- Spearheaded the development of innovative platform features.
- Successfully deployed 2 cross-platform mobile applications.
- Implemented automated deployment for 2 web applications.
- Led the recruitment and management of the development team.

SOFTWARE ENGINEER – ANY SOLUTIONS – 01/07/2024 – 30/09/2024 – GIZA, EGYPT

- Spearheaded the development of two mobile applications.
- Contributed to the backend and API development of a comprehensive platform.
- Seamlessly integrated mobile applications with the platform's API using a generated client.

MACHINE LEARNING INTERN – ARTIFICIAL INTELLIGENCE TECHNOLOGY CENTER (AITC) – 01/03/2023 – 01/02/2024 – GIZA, EGYPT

- Developed Machine Learning models
- Deployed Machine Learning models
- Learned new Deep Learning techniques

● EDUCATION AND TRAINING

01/10/2020 – 01/07/2024 Giza, Egypt
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY Misr University for Science and Technology

Website <https://must.edu.eg/> | **Level in EQF** EQF level 6

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	C1	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

- SKILLS
- NestJS | Prisma | Flutter | Docker | Python | TypeScript | Dart | Machine Learning | Data Science | SQL | C++ | C# | OOP | Linux | Unity Game Engine | Game Development | Game Design | SQLite | Flask | React | Figma | Git | Typst | ThreeJS

- PROJECTS
- Geomagnetic Storms Forecasting Using Deep Learning Techniques

Platform for raising awareness about geomagnetic storms.

Link <https://github.com/skyflares/geomagnetic-storms-forecasting-using-deep-learning-techniques>
- Left Atrium Segmentation

Medical image segmentation using U-Net model. Write here the description...
- Fruit Classifier Robot Arm

Fruit classification using computer vision and a 6DOF arm with arduino.

Link <https://github.com/ziad-ga/Fruit-Classifer-Robot-Arm>
- Duetwo

Casual mobile game.

Link <https://github.com/ziad-ga/Duetwo>
- Safaria: Book Trips & Tours

Travelling packages app.

Link <https://apps.apple.com/us/app/safaria-book-trips-tours/id6736648418>
- Safaria: Travel Agencies Hub

Travelling packages management app for travel agencies.

Link <https://apps.apple.com/us/app/safaria-travel-agencies-hub/id6736684581>
- Personal Website

Personal Website showcasing projects and skills

Link <https://ziadgaser.com/>

- PUBLICATIONS
- 2024

[Feature Selection for Geomagnetic Storm Forecasting Using Particle Swarm Optimisation](#)

Journal Name: 2024 25th International Arab Conference on Information Technology (ACIT) | Publisher: IEEE