

Ebrahim Elgazar

✉ ebrahimjrr@gmail.com | ☎ +20 1023440873 | 📍 Egypt | 🛡 Exempted | 🌐 EbGazar

in [eelgazar](#) | kaggle [ebrahimelgazar](#)

PROFILE

I'm an **organized, self-motivated**, and **passionate learner**, a team member who endorses **teamwork** and cooperation, and a team leader who encourages, motivates, and supports team members.

EDUCATION

B.S. Computer Science, Damietta University

2019 - 2023

- GPA: **3.34/4.00**
- Class Rank: **Third**
- Final Project: **A+**
- Participated in: **the 14th UGRF " 3rd Egyptian Junior Researcher Competition " National Edition at Nile University.**
- Participated in: **Computer and Artificial Intelligence Forum at KSU University.**
- Participated in: **Fifth Olympiad of Computers and Artificial Intelligence at Helwan University.**

SKILLS

- Project Management
- Leadership
- Communication
- Time Management
- Critical Thinking

TECHNICAL SKILLS

- Tensorflow & PyTorch
- Python & R & JavaScript
- Tableau & PowerBI
- Relational & NoSQL Databases
- Backend Frameworks (Django & FastAPI & Flask)
- AWS
- Scikit-learn
- OpenCV
- Data Visualization & ETL Techniques
- Git & GitHub
- MS Office (Excel & Word & PowerPoint)

WORK EXPERIENCE

Software Engineer Intern, Baianat

Aug 2023 - Oct 2023

- **Built** robust web applications using **JavaScript, Node.js (Express, NestJS), and MongoDB.**

Data Analyst, Methanex

Aug 2022 - Nov 2022

- Created **dynamic, data-driven visualizations.**
- Interacted with live **database** and made queries to **retrieve** data for the **analysis.**
- Performed **data cleaning, data transformation and exploratory data analysis** to ensure data **quality** and **integrity.**
- Used **Python** to **automate** routine **data processing** tasks that **saved** an **estimated 20 hours of manual work per week.**
- **Presented findings** to stakeholders to help them make informed critical decisions.

AI Engineer, InBots

Dec 2023 - March 2024

Leveraged **OpenAI API** to streamline code generation for:

- **Backend development: Increased** development speed by **70%** by generating **boilerplate code, API wrappers, and database** access layers using **OpenAI.**
- **Frontend development: Enhanced UI** development through automatic generation code tailored to specific design requirements.
- Collaborated effectively with cross-functional teams to achieve more progress.

TEACHING EXPERIENCE

Teaching Assistant, Faculty of Computers and Artificial Intelligence
Damietta University

Aug 2023 - Present

- **Teaching** courses to undergraduate students in a **creative manner**.
- **Connecting** the **courses** I taught with **industry** and how we can use these in companies.
- **Evaluating** and **grading examinations, assignments, and record grades**.
- Actively participated in the **college's Quality Unit**, contributing to the continuous **improvement of educational standards and practices**.
- **Collaborated** in organizing multiple academic and professional events like: 6th Olympiad Computer Science and Informatics Sector, enhancing **communication** and **event management skills**.
- **Coached** and **mentored** students for the **International Collegiate Programming Contest (ICPC)**, guiding them in **problem-solving strategies** and **competitive programming skills**.

Courses I have taught:

- Artificial Intelligence, Speech Recognition, Soft Computing, Structured Programming, Computer Science Fundamentals, Information Technology and Data Communication.

PROJECTS

CareHub, Graduation Project

- Telemedicine Software Integrated with Electronic Health Record aims to coordinate clinician workflow management, scheduling, examination and diagnosis for both patient and the doctor.
- The platform consists of a website, mobile application, Machine Learning model that recommend Doctor Specialty based on symptoms and Deep Learning models that help doctor with his diagnostics.
- Used: **Scikit-learn, TensorFlow and Flask**.

Medical Image Captioning for Chest X-Rays

- Medical Image Captioning Tool for Chest X-Rays which is trained on Chest X-rays (Indiana University) Dataset with the captions.
- Used: **TensorFlow, Pickle and Flask**.

Deep Learning Projects

- **Computer Vision and Natural Language Processing:**
 - Applying deep learning models, applying transfer learning using pre-trained models for various tasks such as: Image Classification, Object Detection, Face Recognition, Sentiment Analysis, Text Summarization and Machine Translation, etc...
- **Multi-modal Learning and Generative Models**
 - Applying deep learning models, applying transfer learning using pre-trained models for various tasks such as: Image Captioning, Image Style Transfer, Text-to-Image Generation, Image-to-Text Generation, and Text-to-Speech Synthesis.
- Used: **TensorFlow, PyTorch, Keras, OpenCV, NLTK, Transformers & Google Colab Notebook**.

Machine Learning Projects

- Applying Machine Learning algorithms, Feature Engineering and EDA for various datasets using many techniques on: Housing Price Competition, Melbourne Housing, Glass Classification, Diabetes, AMES Housing Price, Breast Cancer, Iris Flowers.
- Used: **Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn & Colab Notebook**.

Robot Voice Control System

- Speech Recognition: software that interprets human voice into a string of text.
- Text-to-Speech: engine that converts text into sound. It allows the computer to speak, probably as a response to commands.
- Used: **Raspberry Pi, Vosk, Pyaudio and Pytsx3**.

CERTIFICATES

- Cloud: **AWS Certified Cloud Practitioner**.
- College Summer Training: **Data Science and Big Data Analytics**.
- Coursera Specialization: **Google Data Analytics Professional**.
- Coursera Specialization: **Machine Learning Specialization**
- Coursera Specialization: **Mathematics for Machine Learning**