

OBJECTIVE

I have some experience in the fields of Backend Developer and Machine Learning/AI Developer, and I have created many projects related to them, including programs that integrated artificial intelligence capabilities with back-end programmers. It is worth noting that I have three years of experience as a back-end developer using Laravel, in addition to my one year of experience as an artificial intelligence programmer. I always strive to discover my weaknesses and work on them to strengthen them and improve my overall performance in the field of programming.

EDUCATION

Faculty of Computers and Information - El-shorouk Academy

2022 - 2025

- Major: Management Information System.
- GPA: Still a student

Internet Of Things & Artificial Intelligence - National Telecommunication Institute

Sep 2023 – Oct 2023

- Explored the fundamental concepts and principles of the Internet of Things.
- Studied the interconnected nature of devices, sensors, and actuators in IoT ecosystems.
- Learned about various communication protocols used in IoT, such as MQTT and CoAP.
- Explored the advantages and use cases for different protocols in IoT applications.
- Gained hands-on experience with IoT hardware components, including sensors, actuators, and microcontrollers.
- Explored the integration of sensors to collect real-world data and interact with the environment.
- Studied networking technologies relevant to IoT, including wireless communication standards like Wi-Fi, Bluetooth, and Zigbee.
- Explored the challenges and solutions for reliable and secure communication in IoT networks.
- Investigated security concerns in IoT devices and networks.
- Explored encryption methods, secure data transmission, and strategies to protect IoT ecosystems from cyber threats.
- Worked with IoT development platforms and frameworks to streamline the development of IoT applications.
- Explored popular platforms like Arduino, Raspberry Pi, and cloud-based solutions.

EXPERIENCE

Freelance | Backend Laravel Developer

Jul 2021 – Aug 2023

- Demonstrated expertise in developing robust and scalable backend systems using the Laravel framework.
- Implemented Laravel features such as Eloquent ORM, migrations, and artisan commands effectively.
- Designed and implemented efficient database structures, ensuring data integrity and optimal query performance.
- Utilized Laravel's database migration and seeding for version control and data population.

CodSoft | internship as Machine Learning engineer

Nov 2023 – Dec 2023

- SPAM SMS DETECTION (Post link: <https://rb.gy/s3dnyb>)
 - Customer Churn Prediction (Post link: <https://rb.gy/142nxu>)
 - Credit Card Fraud Detection (Post link: <https://rb.gy/8ur585>) •
- Movie Genre Classification (Post link: <https://rb.gy/eg7zbz>)

SYNC Intern’s | internship as Machine Learning engineer

Apr 2023 – May 2023

- chat Bot (GitHub Task: <https://github.com/adly-nady/Task1>)
- Real-time Face Mask Detection (GitHub Task : <https://github.com/adly-nady/Task2>)
- Boston house price predictions (View Video: <https://lnkd.in/dNXbFGiC>)
- Sign Language Classification (View Video: <https://lnkd.in/dNXbFGiC>)

I was teaching students about the field of AI through an in-depth explanation of deep learning, machine learning, and computer vision through a workshop extended over a period of **three months**.

- Machine learning
- Deep learning
- Computer Vision

Programming Competitions

- ACM - Egyptian Collegiate Programming Contest (ECPC) 2022
 - Skills developed: Problem-solving, algorithm design, teamwork, time management
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SKILLS

- | | | | |
|----------------------|--------------|-------------------------|-------------------|
| • HTML | • Php | • Python | • C++ |
| • CSS | • Laravel | • Machine Learning | • C# |
| • JavaScript | • MVC | • Deep Learning | • Problem Solving |
| • Vue.js | • REST APIs | • NumPy | • OOP |
| • Bootstrap | • Git | • TensorFlow | • Data Structure |
| • Ajax | • GitHub | • Keras | • SOLID Principle |
| • Axios | • PostMan | • OpenCV | • Algorithms |
| • JQuery | • Database | • Computer Vision | |
| • Visual studio code | • SQL | • Object detection | |
| | • MySQL | • semantic segmentation | |
| | • SQL Server | • Image Processing | |
| | | • scikit-learn. | |
| | | • Pandas | |
| | | • Mediapipe | |
| | | • cvzone | |

PROJECTS

- Bone Discovery | C# & Python — <http://tinyurl.com/4z5ybf77>

It is a desktop program that utilizes artificial intelligence algorithms in Python. It establishes a connection between the desktop program and the artificial intelligence model, creating seamless integration that leverages the capabilities of the desktop environment.

In summary, the program consists of a login page for accessing our application, a registration page for creating an account, and finally, a dashboard page that can be used by patients or doctors. The program's functionality involves uploading X-ray images, sending them to the artificial intelligence model, and returning results with A specific percentage.
- HR Application | Php Laravel & MySQL & API — <https://shorturl.at/sBOQT>

A program designed to be connected with the ZKteco fingerprint device Once the fingerprint device is added on the same network and the fingerprint device IP is added to the program, the program can withdraw attendance every 24 hours, and calculate the total salary for each employee... Continue in Git Hub.
- ERP Application| Php Laravel & MySQL

A program that contains three sections: the milling section, the maintenance section, and the warehouse section. It includes five reports, the first is the grinding report, the second is the exchange permit, the third is the addition permit, the fourth is the return permit, and the fifth is the examination permit.

Ticket System | Php Laravel & MySQL

A program that displays tickets for the problems in the departments, and each specialized department receives the problem and works on it, and the tickets can be directed to a specific person or department.



CERTIFICATES

1. The 2022 ICPC Qualification Collegiate Programming: <https://shorturl.at/tuyJK>
2. The 2023 ICPC Qualification Collegiate Programming: <https://rb.gy/pxkkiv>
3. Machine Learning Engineer Internship: <https://shorturl.at/jluX7>
4. Cisco Certified IOT: <https://shorturl.at/cmNU3>
5. NTI (Internet of Things & Artificial Intelligence): <https://shorturl.at/bstwV>
6. Database MySQL Course: <https://rb.gy/yzuux7>
7. Python Course: <https://rb.gy/z8at88>
8. Internship in Machine Learning: <https://rb.gy/5t2fbx>