

# Abelrahman Essam

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## ABOUT ME

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As a recent Computer Science graduate, I have a strong foundation in technology and a passion for problem-solving. I possess excellent analytical and critical thinking skills that allow me to approach complex challenges with a systematic and logical mindset. Additionally, I am a quick learner and am eager to apply my technical skills to a variety of industries. I have experience collaborating with teams on projects and possess strong communication skills, both written and verbal. While I am a recent graduate and do not yet have direct industry experience, I am eager to learn and contribute my skills to make a positive impact in the field.

## WORK EXPERIENCE

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### IT Specialist

***technical research center*** [ 5 Jan 2024 – 1 Mar 2025 ]

City: Cairo | Country: Egypt

As an **IT Technician**, I provide comprehensive technical support for a range of applications and systems, ensuring seamless operation for both end-users and internal Information Systems & Technology (IS&T) teams. I assist users over the phone, via email, and in person to diagnose and troubleshoot technical issues efficiently. Additionally, I collaborate with the development and IT support teams to resolve complex technical problems and enhance system functionality. I have a strong ability to quickly learn and adapt to new technologies, ensuring prompt and effective solutions for users.

## EDUCATION AND TRAINING

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### BACHELOR OF of Computer Science and Artificial intelligence (GPA Very Good with honor)

***Helwan University*** [ 1 Sep 2019 – 1 Jul 2023 ]

City: Cairo | Country: Egypt | Level in EQF: EQF level 6

## LANGUAGE SKILLS

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**Mother tongue(s):** Arabic

**Other language(s):**

**English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

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

## DIGITAL SKILLS

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### Technical Skills

JavaScript / HTML / Python / C / Java / SQL / ASP.net / PHP / Blender / Unity / JQUERY / C++ / CSS / JavaScript - JQuery / Bootstrap, Angular 2+, React / Deep Learning, / Tesseract-OCR / Pytorch, Tensorflow / SQL / NoSQL 10 years / C# (ASP.NET) - Básico / Advance knowledge in Machine Learning and Deep learning / Software libraries (OpenCV, PCL, Tensorflow, ROS) / Web Development (Python/Django) / Node.js, React.js / Vue.js ( Junior ) / Devops: Docker, Jenkins

### Soft Skills

Problem Solving (Problem Analysis) / Creativity and Innovation / Time Management and Prioritization / Analytical Skills. / Adaptability And Flexibility / Communication-Skills / Problem-Solving and Critical Thinking / Attention to Details / Teamwork and Collaboration

## PROJECTS

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### Attendance System with Face Recognition for Educational Institutions.

- Developed a face recognition-based attendance system for use in educational institutions
- Utilized Python, OpenCV, and machine learning algorithms to achieve high accuracy
- Collaborated with team members to design and implement the system

Link: [https://github.com/boody912/AttendanceSystem\\_django](https://github.com/boody912/AttendanceSystem_django)

### Multiple vendor eCommerce platform.

- Developed an online platform for multiple vendors to sell products
- Utilized Django, Python, and PostgreSQL to create a scalable and secure platform
- Implemented Vue.js for the front-end to create a responsive and intuitive user experience
- Collaborated with team members to ensure seamless functionality and efficient data management

Link: [https://github.com/boody912/djangobnb\\_backend](https://github.com/boody912/djangobnb_backend)

### Friendzone mini social platform .

- Developed a social media platform for users to find and connect with new friends
- Utilized Django, Python, and MongoDB to create a dynamic and engaging platform
- Implemented Vue.js for the front-end to create a smooth and intuitive user interface
- Collaborated with team members to ensure efficient data management and robust functionality

Link: <https://github.com/boody912/FriendZone>

### Research Gate.

- Contributed to the development of a social networking site for scientists and researchers
- Utilized ASP.NET, C#, and SQL Server to create a robust and secure platform for sharing papers and collaborating
- Collaborated with team members to implement features such as paper sharing, question and answer forums, and user profiles
- Applied best practices in web development, including responsive design and efficient data management

Link: <https://github.com/boody912/ResearchGate>

[ Apr 2022 – Aug 2022 ]

### Developed a website for online food ordering and an admin dashboard for managing orders

Online Food Ordering based Website Implemented using PHP, Java and CSS and utilized PHP, MySQL, and Bootstrap to create a user-friendly and efficient platform

Link: <https://github.com/boody912/OnlineFoodOrder>

#### **Brain Tumor Detection recognition with SVM.**

Brain tumor detection using **Support Vector Machine (SVM)** classifies MRI images as tumor or non-tumor based on extracted features. The process involves **image preprocessing, segmentation, feature extraction, and classification** using SVM with suitable kernels. This approach enhances **early diagnosis and medical decision-making**, improving patient outcomes.

#### **Image Processing and Machine learning with ANN and SVM.**

**Image processing and machine learning** using **Artificial Neural Networks (ANN)** and **Support Vector Machines (SVM)** enhance pattern recognition and classification tasks. ANN learns complex features, while SVM efficiently classifies data using optimized hyperplanes. Combining both improves accuracy in medical imaging, object detection, and automated diagnostics.

[ Jan 2021 – Jun 2021 ]

#### **Learning Management System.**

LMS Implemented using java, database and GUI and utilized Java, MySQL, and CSS to create a user-friendly and efficient platform

Link: <https://github.com/M0stafapri/LMS-Java>

#### **❖ My 2D Game using Unity.**

**My 2D game using Unity** is developed with **C# scripting, physics-based mechanics, and interactive gameplay**. Unity's powerful engine enables smooth animations, user-friendly controls, and optimized performance. The game features engaging levels, responsive UI, and immersive player experiences.

## **HONOURS AND AWARDS**

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[ Jan 2024 ] SEE

#### **Cisco Certified Network Associate.**

Write here the de**CCNA (Cisco Certified Network Associate)** covers **networking fundamentals, routing, switching, security, and automation**. It provides hands-on skills in configuring and troubleshooting **routers, switches, and wireless networks**. This certification enhances career opportunities in **network administration and cybersecurity**.scription...

[ Nov 2023 ] Coursera

#### **Advanced Learning Algorithms**

Link: <https://www.coursera.org/account/accomplishments/verify/YY5ESREWMAS8>

[ Sep 2023 ] Coursera

#### **Supervised Machine Learning.**

Link: <https://www.coursera.org/account/accomplishments/verify/L65GEATY287H>

[ Jun 2023 ] Code Academy

#### **Learn HTML & CSS.**

[ Jan 2023 ] Teleperformance

#### **Cyber Security Training.**