

# Mostafa Abd El-Hamid Rihan

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## EDUCATION

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<b>BACHELOR OF of Computer Science and Artificial intelligence</b>	Sept 2019 - June 2023
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*Helwan University, Egypt*

Major: Computer Science

GPA: Very good

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<b>HIGH SCHOOL Diploma, Sedki Silliman High School for Boys</b>	Sept 2016 - June 2019
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*Cairo, Egypt*

Grade: 93%

## ABSTRACT

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A recent Computer Science graduate with a passion for solving real-world problems through software development. Proficient in Java, Python, and JavaScript, with experience in web development, database design, and software engineering. Developed a responsive web application with user authentication and image uploads using Django and Vue.js. Proficient in 3D modeling and animation using Blender and experienced in developing games using Unity and C#. Skilled in using frameworks such as ASP.NET, Java Spring, and PHP Laravel to create web applications with different functionalities. Eager to learn new technologies and apply them to develop innovative software solutions.

## WORK EXPERIENCE

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<b>Orange Digital Center Egypt</b> <i>Internship Trainee</i>	2021 - 2022
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I am thrilled to have been given the opportunity to intern at Orange Digital Center as a programmer. Working alongside experienced developers has been an amazing opportunity to develop and maintain software applications. Throughout my internship, I have been able to learn and apply programming languages such as Java, Python, and JavaScript, which has given me invaluable hands-on experience with various software development tools and technologies. One of the most exciting aspects of my internship has been working on real-world projects and collaborating with other developers to solve complex problems. I have loved being part of a development team, and it has been amazing to see how my contributions have helped to shape the final product. What has made the experience even more valuable has been the mentorship and guidance I have received from senior developers. They have been instrumental in helping me refine my skills and knowledge, and I feel much more prepared for a career as a professional programmer after this internship. Overall, I am incredibly grateful for the opportunity to have interned at Orange Digital Center. The practical experience I have gained has been invaluable, and I am excited to take the next steps in my programming career with the knowledge and skills I have developed during my time here.

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<b>ALX Software Engineering Programme</b> <i>Internship Trainee</i>	2022 - 2023
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As someone who has taken an ALX course, I can attest to the fact that their training programs are top-notch. During my time at ALX, I was able to learn a range of technical skills, including several programming languages such as Python, JavaScript, and React. I also gained hands-on experience using various software development tools and

technologies, which helped me to develop a deep understanding of how these tools can be used to create innovative solutions. What I appreciated most about ALX courses was the emphasis they placed on developing soft skills such as teamwork, communication, and problem-solving. Throughout the course, I had several opportunities to collaborate with other students and work on real-world projects. This not only helped me to develop my technical skills but also gave me valuable experience working as part of a team in a professional setting. Another aspect of the ALX program that I found incredibly valuable was the quality of the instructors. They were all experienced professionals in their field, which meant that they were able to share practical knowledge and insights that went beyond what could be learned from a textbook. Overall, I feel that the ALX course I took provided me with the skills and knowledge I needed to succeed in the tech industry. With their focus on hands-on experience, practical skills development, and soft skills training, I feel confident that I am well-prepared to excel in a variety of technology-related careers.

## Innocent Property

2022 - 2023

### *Motion Graphic Designer*

As a Blender animator freelancer, I have had the opportunity to learn and experience a wide variety of skills and challenges. One of the most important skills that I have developed is technical proficiency in the Blender software. I am able to create and manipulate objects, use lighting and camera techniques, and create animations that bring my ideas to life. In addition to technical skills, I have also honed my creative skills as a Blender animator freelancer. I am able to generate unique and engaging ideas for animations that capture my clients' vision and exceed their expectations. As a freelancer, I have also learned the importance of effective client management. I communicate clearly and professionally with clients, manage deadlines, and ensure that their needs are met throughout the animation process. Time management is another important skill that I have developed as a Blender animator freelancer. I prioritize tasks, work efficiently, and meet deadlines to ensure that my clients receive the highest quality work on time. Marketing and financial management are also critical skills that I have developed as a freelancer. I have created a strong portfolio, networked with potential clients, and promoted my services through social media and other channels. I also track expenses, manage invoices, and ensure that I am paid for my work in a timely manner. Overall, working as a Blender animator freelancer has been both challenging and rewarding. I have had the opportunity to work on a variety of projects, learn new skills, and build a successful career in the animation industry.

## SKILLS

Language	English, Arabic, German
Solving and Critical Thinking	Excellent
Analytical Skills	Very Good
Attention to Detail	Excellent
Time Management and Prioritization	Very Good
Teamwork and Collaboration	Good
Adaptability and Flexibility	Excellent
Communication Skills	Excellent
Creativity and Innovation	Very Good
Web Development Frameworks	•ASP.net MVC •Django •Vue
Programming Languages	•C# •Java •Python •JavaScript
Front-end Technologies	:•HTML •CSS •JavaScript

## CERTIFICATIONS

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Introduction to Data Science in Python University of Michigan Grade Achieved: 93.41%	2019
Write Professional Emails in English Georgia Institute of Technology Grade Achieved: 91.33%	2019

## PROJECTS

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<b>Fitness System with Food Recognition for Health Institutions.</b> <i>Graduation Project with an Excellent Degree.</i> <ul style="list-style-type: none"><li>• Developed a Food Recognition-based Fitness System for use in Health Institutions</li><li>• Utilized Python, OpenCV, and Machine Learning Algorithms to achieve High Accuracy</li><li>• Collaborated with team members to design and implement the system</li></ul>	2022 - 2023
<b>Optical Character Recognition "OCR"</b> <i>Using Decision Trees and Random Forests</i> <ul style="list-style-type: none"><li>• Developed an OCR-based project for extracting text from images</li><li>• Utilized Python, OpenCV, and Tesseract OCR technology for efficient text recognition</li><li>• Included image pre-processing functionality to enhance accuracy</li><li>• User-friendly interface for easy image uploading and text extraction</li><li>• Efficient and accurate tool for converting images containing text into machine-readable formats</li></ul>	2021 - 2022
<b>The Internet Movie Database Website (IMDB)</b> <i>A Website using ASP.net MVC</i> <ul style="list-style-type: none"><li>• Contributed to the development of a social networking site for directors and actors</li><li>• Utilized ASP.NET, C#, and SQL Server to create a robust and secure platform for sharing papers and collaborating</li><li>• Collaborated with team members to implement features such as paper sharing, question and answer forums, and user profiles</li><li>• Applied best practices in web development, including responsive design and efficient data management</li></ul>	2021 - 2022
<b>Online Food Ordering Website</b> <i>Online Food Ordering Based Website Implemented using PHP, Java and CSS</i> <ul style="list-style-type: none"><li>• Utilized PHP, MySQL, and Bootstrap to create a user-friendly and efficient platform</li><li>• Collaborated with team members to ensure seamless integration and functionality</li></ul>	2022 - 2023
<b>Learning Management System</b> <i>LMS Implemented using java, database and GUI</i> <ul style="list-style-type: none"><li>• Utilized Java, MySQL, and CSS to create a user-friendly and efficient platform</li><li>• Collaborated with team members to ensure seamless integration and functionality</li></ul>	2019 - 2020
<b>Dragon Warrior 2D Game</b> <i>Dragon Warrior Unity 2D Game</i> <ul style="list-style-type: none"><li>• Developed Dragon Warrior Unity 2D game using Unity game engine</li><li>• Utilized C# programming language for game development</li><li>• Created intuitive user interface and gameplay mechanics, including battle systems, item and inventory management, and character leveling and customization</li><li>• Used various Unity plugins and assets to enhance game functionality</li><li>• Demonstrated skills in game development and ability to create high-quality games</li></ul>	2021 - 2022

## **Animated Short Film 5 Ain by Blender Animation Studio**

2022 - 2023

### *Blender Animation*

- Created animated short film 5 Ain in collaboration with Blender Animation Studio
- Utilized Blender open-source software for 3D modeling and animation
- Developed storytelling and visual concepts for the film
- Collaborated with team members to design and implement the film's production pipeline
- Demonstrated skills in animation and storytelling, as well as ability to work collaboratively in a creative team environment
- Utilized modern animation and 3D modeling technologies to create a visually stunning and engaging short film.

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## **Data Storage and Retrieval**

2020 - 2021

### *Data Retrieval System*

- Developed a data storage and retrieval system for efficient and secure data management
- Utilized MySQL database management system for data storage and retrieval
- Implemented PHP programming language for server-side scripting and web development
- Created a user-friendly web interface for data entry and retrieval
- Ensured data security through encryption and access control mechanisms
- Demonstrated skills in database management, web development, and data security
- Utilized modern database and web development technologies to create an efficient and secure data storage and retrieval system.

