

# AMR KHAMIS

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Full Stack Web-Mobile Developer & Designer

## EDUCATION

### New Cairo Technological University (NCTU)

Information and communication of Technology (ICT)

Sep 2021 - Present

## EXPERIENCE

### VAS Integrated Solutions, Giza Systems

Cairo, Egypt

Data Center Engineer **intern**

Aug 2023 - Sep 2023

Acquired practical experience in managing and optimizing data center operations, aligning with knowledge of virtualization and fundamental network administration skills important for application development tasks.

- Gained hands-on exposure to cloud platforms, directly supporting the learning of application management through cloud-based implementation and administrative solutions.

### Kemtech Valley

Cairo, Egypt

Network Administrator **intern**

Sep 2022 - Sep 2022

- Designed and configured networks, which complements an understanding of application deployment and ensures efficient operation within networked environments.
- Implemented and tested network protocols, which contribute toward building efficient communication within application frameworks to maintain application integrity.
- Developed proficiency in VLANs, NAT, and network security, strengthening skills necessary for secure application handling under different network conditions.

## PROJECTS

### Techno Tour: University Rooms Management and Booking System ([Doc](#)):

Dec 2022 - Jul 2023

- Worked as Full-Stack Developer (Team Leader) and managed to achieve dynamic and responsive web pages.
- Each page has been a challenge to make with the help of my team.
- We were able to control the flow, loading and smoothness of the website to give the users the best experience.

### Any Crypton:

Feb 2025 – Mar 2025

- Software Engineering, Cryptanalysis and Algorithms, Web & Mobile Development (Node.js , React.js, React Native).
- Implementing a Encryption and Decryption for Caesar, Rail Fence and Vigenère Ciphers
- Creating a Cracking Algorithms for each Cipher reaching a 100% accuracy in Caesar and Rail Fence + 90% on Vigenère
- The app processing on Web and Browser Workers makes it at least 20x Faster on process even on over 1.5 million English Dictionary Words and more than 200,000 Brute Force testing keys.

### Electric-Motor-Temperature-Prediction:

Jan 2025 – Jan 2025

- Machin Learning, Algorithms, Jupyter Notebook (Python).
- ML Models to predict electric motor temperature based on sensor data.
- The dataset includes various factors affecting motor temperature, such as ambient temperature and rotational speed with size of more than 3 Million Records 12 Features and 1 Target.
- Evaluation Metrics such as (MAE, MSE, R<sup>2</sup>).
- The Best Performing Models are (Linear Regression, Logistic Regression, SVM) with R<sup>2</sup> ~ 97.5%.
- Implementing an Overfitting and Data lack Detection and Handling.

### DeYou-3: 3d Mockup design and modeling:

May 2025 – Present (in process)

- Full-Stack Developer, 3D Modeling, 3D Animation, Photo Editing, UI Designs, UV Wrapping, Mockups Design

### Sedjet Hot Sauce Commercial:

Feb 2025 – Feb 2025

- 3D Modeling, 3D Animation, Video Editing, Photo Editing, In process

### 3-Nexus: 3D Network Simulator:

Aug 2024 – Present (plaining stage)

- Full-Stack Three.js Web Development, Network Engineering

### HHH: Smart Home System:

Oct 2024 – Present (in process)

- Full-Stack Three.js Web Development, 3D Modeling, 3D Animation, IOT Engineering, In process

## SKILLS

HTML, CSS, C++, JS, JSON, jQuery, R3F, Vite.js, React.js, Express.js, Node.js, Three.js, GLSL, JAVA, PHP, SQL, MySQL, Git, GitHub, WSL, Linux (Ubuntu, Kali, WifiSlax), Network Administration, Network Design, Database Administration, Graphic Design, 3D Modeling, Project Management, English

## CERTIFICATIONS

Udemy certified : web development ( 9/2022), PHP, MySQL development (8/2024), react.js development (8/2024), node.js & express back-end development (2/2025), CCNA Certified(2022), IOT system design Certified(2023)