

Rawan Abdallah Gbr

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Professional Summary

Motivated and detail-oriented Computer Science and IT Teaching Assistant with over 3 years of experience in delivering lectures, supervising labs, and supporting curriculum development in core technical subjects including Network Security, Data Communication, Wireless Networks, and Digital Logic Design. Proven ability to assist in academic research, contribute to scholarly publications, and mentor undergraduate students. Strong foundation in computer networking, programming, and systems analysis. Adept in Python, C++, MATLAB, and LaTeX, with a keen interest in pursuing advanced academic and research-oriented roles.

Education

- **Master of Science in Computer Science**
- Benisuef University, Benisuef | **Expected: 2025/2026**
- Relevant Coursework: Advanced Computer Networks, Cryptography, Research Methodology
- **Bachelor of Technology in Information Technology**
- Benisuef University, Benisuef | **2020**
- Graduated with Distinction

Teaching Experience

- **Undergraduate Teaching Assistant**

Benisuef University, Benisuef | Jun 2022 – Present

- Assisted in the instruction of courses such as Network Security, Wireless Networks, and Data Communication
- Delivered tutorials, graded assignments, and held office hours for undergraduate students
- Managed lab sessions on network protocols, packet analysis using Wireshark, and simulation tools like NS2
- Conducted lab demonstrations in Digital Logic Design and Computer Architecture
- Provided technical support during lab exercises involving LogicWorks, Multisim, and hardware kits
- Tutored students and facilitated review sessions during exam periods
- supported curriculum development and assessment planning in collaboration with faculty

Research Experience

- **Research Assistant – Machine Learning combined with Network Lab**

Benisuef University, Benisuef | Jun 2022 – Present

- Participated in research focused on secure communication in wireless sensor networks
- Conducted simulations in OMNeT++ and analyzed performance metrics for network protocols

Technical skills

- **Programming Languages:** Python, C++, Java, MATLAB
- **Networking Tools:** Wireshark, Cisco Packet Tracer, NS2, OMNeT++
- **Hardware/Software:** LogicWorks, Multisim, Arduino, Raspberry Pi
- **Technologies:** TCP/IP, Wireless Sensor Networks, Cryptography
- **Others:** Git, LaTeX, MS Office, Linux/Unix Environments

Certifications

- CCNA certificate from the National Telecommunication Institute. [dec 2023]
- Arab IoT&AI challenge –Egypt Teams’ During the ideation Camp in 2019-2020 [SEP 2020]

Interpersonal skills

- **Personal skills:** Problem Solving, Adaptability, Quick-learner, Leadership.
- **Language skills:** Arabic, English (Excellent).

Personal information

Date of Birth: 03/03/1997

Location: shark-elnil, the third Neighborhood, villa 158.