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# Assist. Prof. Dr. Wisam H. A Muragga

## Summary

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Senior networks security Developer specializing in SDN security development. Experienced with creating and developing all stages of the ID/PS development process for dynamic SDN based security projects. Well-versed in Python programming language.

## Skill Highlights

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- Strong decision maker
- Complex problem solver
- Work under pressure and meet deadlines
- Manage and deliver against multiple priorities on time
- Innovative
- Service-focused

## Experience

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- **TEACHING - Dec. 2019 – July. 2022**

LIMU, Benghazi

- Network Protocols
- Int. to Linux
- Network Programming

- **WORKSHOPS - 2021 – Present**

LIMU, Benghazi

- Problem Based Learning (PBL).
- Moodle.
- WHEEL - Network for the modernization of the higher education sector in Libya. (ICTS & infrastructure).
- Teaching and Presenting Skills.
- Horizon Europe Program for Research financial support and Innovation.

- **COMMITTEES - 2021 – Present**

LIMU, Benghazi

- Curriculum Development Committee (Permanente Member).
- University's Research and Consultations Center (Scientific Committee / Member).
- Committee of accepting teaching staff members in the faculty (Permanente Member).
- Faculty Scientific Day (Scientific Committee / Member).
- Programs certificated committee (Permanente Member).
- Faculty certificated committee (Head of the committee).

- **ACHIEVEMENTS**

LIMU, Benghazi

- Certification of authorization for **(Computer Networks Program)** from the **(National Center for Quality Assurance and Accreditation of Educational and Training Institutions - Tripoli)**.

## Education

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**Doctor of Philosophy: Science and Technology. Ph.D. (Cybersecurity) - 2019**

**University Since Islam Malaysia (USIM)/ Malaysia. Faculty of Engineering and Built Environment, MLY**

**Master of Science: Information Technology. M.Sc. (IT) - 2006**

**University Utara Malaysia (UUM)/ Malaysia. Faculty of Information Technology (FIT), MLY**

## Publications

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- W. H. A. Muragaa, "The single packet Low-rate DDoS attack detection and prevention in SDN," 2022 IEEE 2nd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA), Sabratha, Libya, 2022, pp. 323-328, doi: 10.1109/MI-STA54861.2022.9837517.
- W. H. A. Muragaa, "A hybrid scheme for detecting and preventing single packet Low-rate DDoS and flooding DDoS attacks in SDN," 2023 IEEE 3rd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA), Benghazi, Libya, 2023, pp. 707-712, doi: 10.1109/MI-STA57575.2023.10169712.
- M. F. ELHejazi and W. H. A. Muragaa, "Improving the Security and Reliability of SDN Controller REST APIs Using JSON Web Token (JWT) with OpenID and auth2.0," 2024 IEEE 4th International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA), Tripoli, Libya, 2024, pp. 398-402, doi: 10.1109/MI-STA61267.2024.10599643