

## ➤ Personal Information

**Name:** Sahar Khairi Ahmed Mohammed

**Nationality:** Egyptian

**Gender:** Female

**Date of Birth:** November 25th, 1990

**Languages:** Arabic and English

**Additional E-mail:** [sahar\\_ahmed7258@yahoo.com](mailto:sahar_ahmed7258@yahoo.com)

## ➤ Education

### ✚ **Pre PhD in Computer Science 2020 ----- 2021**

Mathematics Department, Faculty of Science, Assiut University  
September, 2021 (Excellent).

1. Mc718 Selected Topics Related Computer Science.
2. Ms707 Advanced Biostatistics.
3. Mc710 Special Course I.
4. Mc701 Advanced Probability.

### ✚ **Master of Computer Science (Network Security ) 2016 ----- 2019**

Mathematics Department, Faculty of Science, Assiut University.

**Entitled:** Detection of Application – Layer Distributed Denial of Services Attacks in  
Computer Networks

**Supervisory Committee:** Prof. Salah-Eldin Abdel-Slam El-Gendi & Prof. Taha El  
Gindy & Dr. Dalia Mohammed Nashat & Dr. Tarik Mohammed Abdel- kader.

**During:** December 2016 – October 2019.

### ✚ **Premaster in computer science 2013 ---- 2014**

Mathematics Department, Faculty of Science, Assiut University.  
October 2014, (Very Good).

1. Linear Algebra
2. Numerical Analysis
3. Programming Languages
4. Workshop
5. Special course in computer
6. Optional course
7. Algorithms

### ✚ **Bachelor of Mathematics (Computer Science) 2008 ----- 2012**

Mathematics Department, Faculty of Science, Assiut University.  
Graduated May 2012, (Very Good with honor degree).

➤ Skills

- ✚ Programming languages: Matlab, C++, C#, and python.
- ✚ Desktop Publishing: LaTeX, Microsoft Office, Wireshark and Om Net.

➤ Employment

✚ **Demonstrator 2013 – 2019**

Mathematics Department, Faculty of Science, Assiut University, Egypt.  
From February 2013 to November 2019.

✚ **Assistant Lecturer 2019**

Mathematics Department, Faculty of Science, Assiut University, Egypt.  
From November 2019 to November 2020.

✚ **Assistant Lecturer 2020**

Faculty of Computers and Information, IT Department, Assiut University, Egypt.  
From November 2020 until now.

➤ Workshops and Conferences

- ✚ The Third International Conference on New Horizons in Basics and Applied Science (ICNHBAS 3<sup>rd</sup> 2017), Aug 5-7, Hurghada, Egypt, 2017. As an Oral Presentation entitled “A Novel Detection Scheme for HTTP Flooding Attacks” and had the Best Oral Award for this work.
- ✚ The Fifth International Conference on New Horizons in Basics and Applied Science (ICNHBAS 5<sup>th</sup> 2021), Set 26-29, Hurghada, Egypt, 2021. As an Attender.

➤ Teaching Experience

- ✚ Object-Oriented Programming
- ✚ Computer Networks
- ✚ Introduction to Computer Science
- ✚ Numerical Analysis
- ✚ Programming Languages (C++, C#, and python)
- ✚ Data Communication
- ✚ Web Programming
- ✚ Web Application Engineering

➤ **Research areas**

- ✚ Network Communications Network Security and Defense mechanisms.

➤ **Publications**

- ✚ Dalia Nashat, S. Khairi and T. Ibrahim, "A novel Detection Scheme for HTTP Flooding Attacks," has been presented in The Third International Conference on New Horizons in Basics and Applied Science [ICNHBAS], 5–7 August, Hurghada, Egypt, 2017, (Oral Presentation).
- ✚ Khairi, S., and Dalia Nashat. "Detection of application layer DDoS attacks based on Bayesian classifier." Assiut Univ. J. Math. Comput. Sci. 48 (2019): 1-13.
- ✚ Nashat, Dalia, and S. Khairy. "Detecting Http Flooding Attacks Based on Uniform Model." In 2021 International Conference on Networking and Network Applications (NaNA), pp. 94-98. IEEE, 2021.
- ✚ Nashat, Dalia, S. Khairy, and Montaser M. Hassan. "Detection of Application Layer DDoS Attack Based on SIS Epidemic Model." IEEE Access 9 (2021): 159827-159832.