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	Name	Sarah Mohamed Naiem
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	الوظيفة الحالية وجهة العمل	Lecturer, Faculty of Computers and AI, Helwan University
	الدرجة العلمية (اسم الجامعة والدولة)	PhD in Information Systems, Faculty of Computer and Information Systems, Helwan University, Cairo, Egypt
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	التخصص الدقيق	Software Engineering
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	المؤهلات العلمية	<ul style="list-style-type: none"> <li>• PhD in Information Systems, Faculty of Computer and Information Systems, Helwan University, Cairo, Egypt (2017–2023)</li> <li>• Thesis: An Adaptive Framework for Enhancing Security in Cloud Environment</li> <li>• Master's Degree in Information Systems, Faculty of Computer and Information Systems, Helwan University, Cairo, Egypt (2011–2015)</li> <li>• Thesis: Development of a Computer System to Measure Skills of Software Developers</li> <li>• Bachelor in Computer Science and Information - Software Engineering, Helwan University (2005–2009) Ranked 2nd in class</li> </ul>
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	<p>Scientific Research- معهد اعداد القادة بوزارة التعليم العالي والبحث العلمي (2024- current)</p> <ul style="list-style-type: none"> <li>• Lecturer, Faculty of Computers and AI, Helwan University (2023–current)</li> <li>• Lecturer, Faculty of Computer Science, Helwan National University (2024–current)</li> <li>• Multimedia Program Coordinator, Helwan National University (2024–current)</li> <li>• Business Communication Consultant (2022–current)</li> <li>• Lecturer Assistant, Faculty of Computers and AI, Helwan University (2017–2023)</li> <li>• Teacher Assistant, Faculty of Computers and AI, Helwan University (2011–2015)</li> <li>• Teacher Assistant, AUC, Faculty of Sciences and Engineering (2009–2011)</li> <li>• Merchandiser Assistant, Target Sourcing Services Internship (Jan 2010–May 2010)</li> <li>• SAP Trainee, PrimaSoft Internship (2009)</li> <li>• IT Trainee, EGEC House of Expertise Internship (2009)</li> </ul> <p>◆ <b>Courses Taught</b></p> <ul style="list-style-type: none"> <li>• System Analysis and Design</li> <li>• Software Engineering</li> <li>• Software Quality Assurance and Control</li> <li>• Knowledge Base Management</li> <li>• Operations Research</li> <li>• Business Communication</li> <li>• Fundamentals of Information Systems</li> <li>• Introduction to Computer Science</li> <li>• Professional Ethics (focus on Security Concerns and Ethical Hacking)</li> <li>• Dark and Deep Web (معهد اعداد القادة بوزارة التعليم العالي والبحث العلمي)</li> <li>• Electronic and Cybercrimes and its dangers and community (معهد اعداد القادة بوزارة التعليم العالي والبحث العلمي)</li> </ul>	
	<ul style="list-style-type: none"> <li>• S. Naiem, A. E. Khedr, A. M. Idrees and M. I. Marie, "Enhancing the Efficiency of Gaussian Naïve Bayes Machine Learning Classifier in the Detection of DDOS in Cloud Computing," in <i>IEEE Access</i>, vol. 11, pp. 124597-124608, 2023, doi:</li> </ul>	<p>الأبحاث المنشورة</p>

	<p>10.1109/ACCESS.2023.3328951.</p> <ul style="list-style-type: none"> <li>• Naiem, S., E. Khedr, A., M. Idrees, A., &amp; Marie, M. (2023). Iterative Feature Selection-Based DDoS attack Prevention Approach in Cloud. <i>International journal of electrical and computer engineering systems</i>.</li> <li>• SARAH NAIEM, AMIRA M. IDREES, MOHAMED MARIE, &amp; AYMAN E. KHEDR. (2022). DDOS ATTACKS DEFENSE APPROACHES AND MECHANISM IN CLOUD ENVIROMENT. <i>Journal of Theoretical and Applied Information Technology</i>, 100(13), 4632–4642. <a href="https://doi.org/10.5281/zenodo.6856858">https://doi.org/10.5281/zenodo.6856858</a></li> <li>• Sarah Naiem. (2022). Distributed Denial of Services Attacks and Their Prevention in Cloud Services. CERN European Organization for Nuclear Research - Zenodo. <a href="https://doi.org/10.5281/ZENODO.6856824">https://doi.org/10.5281/ZENODO.6856824</a></li> <li>• Sarah Naiem, Mahmoud M. Abdellatif, &amp; Salama S. E )2015). Evaluation of Computer Science and Software Engineering Undergraduate's Soft Skills in Egypt from Student's Perspective, <i>Canadian Center of Science and Education</i> ; Vol. 8, No. 1; 2015 doi:10.5539/cis.v8n1p36</li> </ul>	
		الجوائز

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#### **Basic Information**

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Web of Science: Web of Science Researcher Profiles

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#### **Personal Information**

Gender: Female

Nationality: Egyptian/Canadian

Marital Status: Married

#### **Education**

- PhD in Information Systems, Faculty of Computer and Information Systems, Helwan University, Cairo, Egypt (2017–2023)
  - Thesis: An Adaptive Framework for Enhancing Security in Cloud Environment
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- Graduation Project: Material Management Module - Supply Chain Management (SCM)
- IGSE High School Graduate, Dar El Tarbiah School (2004/2005) – Score: 104

## 📄 Work Experience

- Consultant for the Leadership Preparation Institute at the Ministry of Higher Education and Scientific Research- معهد اعداد القادة بوزارة التعليم العالي والبحث العلمي (2024-current)
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## ◆ List of Publications

- S. Naiem, A. E. Khedr, A. M. Idrees and M. I. Marie, "Enhancing the Efficiency of Gaussian Naïve Bayes Machine Learning Classifier in the Detection of DDOS in Cloud Computing," in *IEEE Access*, vol. 11, pp. 124597-124608, 2023, doi: 10.1109/ACCESS.2023.3328951.
- Naiem, S., E. Khedr, A., M. Idrees, A., & Marie, M. (2023). Iterative Feature Selection-Based DDoS attack Prevention Approach in Cloud. *International journal of electrical and computer engineering systems*.
- SARAH NAIEM, AMIRA M. IDREES, MOHAMED MARIE, & AYMAN E. KHEDR. (2022). DDOS ATTACKS DEFENSE APPROACHES AND MECHANISM IN CLOUD ENVIROMENT. *Journal of Theoretical and Applied Information Technology*, 100(13), 4632–4642. <https://doi.org/10.5281/zenodo.6856858>

- Sarah Naiem. (2022). Distributed Denial of Services Attacks and Their Prevention in Cloud Services. CERN European Organization for Nuclear Research - Zenodo.  
<https://doi.org/10.5281/ZENODO.6856824>

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#### ◆ Courses Taught

- System Analysis and Design
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