

Academic Resume

Shaimaa Salama

Associate Professor, Information Systems Department

I am Dr Shaimaa Salama, associate professor in faculty of Computers and Artificial Intelligence, IS department, Helwan University

Contact Information.

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Education:

- **School:** Saint Vincent De Paul
- **Higher education:** Faculty of Computers and Information Systems, IS department
- **M.Sc.** in Information systems, Helwan University, Egypt, 2006
Title ‘Applying temporal events in XML’
- **Ph.D.** in Information Systems, Helwan University, Egypt, 2012
Title ‘Proposed intrusion detection model for e-commerce environment using data mining’

Academic and Professional Experiences.

1. **2018 - Present** Associate professor
2. **2012 - 2017**
Assistant professor.
3. **2006 - 2012**
Lecturer assistant, Helwan University
4. **2005 - 2008**
Senior web developer, NTS company, Egypt
5. **2001 - 2005**
Assistant, Helwan University.

Research Interests.

Data Mining, database, AI.

Teaching Interests.

DataBase, Data Mining, Project Management, Cloud Computing.

Certifications and Trainings.

1. Cloud computing from EMC.
2. IBM Cognos.
3. HCIA storage.
4. CCNA1 From Cisco.
5. Azure AI Fundamentals

Social, Scientific and Professional Affiliation.

Publications.

1. Raghad Alharbi, Manal Abdulaziz, Shaimaa Salama, "Developing An Innovative Nlp Based Model To Enhance Search Accuracy For Microlearning Videos On Youtube", Journal Of Information Systems Engineering And Management, vol: 10, pp. 240-253, 2025.
DOI: [10.52783/jisem.v10i22s.3508](https://doi.org/10.52783/jisem.v10i22s.3508)
2. Ghadi Shaheen, Fatmah Alahmadi, Amjad Alsulami, Shaimaa Salama, "A Survey On Iot Security: Iot Architecture, Security Issues, Challenges, And Solutions", Internatinal Journal Of Computer Applications, 2024.
3. Shaimaa Salama, Yasmin Alamoudi, Ghadeer Alamoudi, Farah Albeshri, "Cloud Computing Security Issues And Countermeasure: A Comprehensive Survey", International Journal Of Computer Applications, vol: 185, pp. 54-61, 2023.
DOI: [10.5120/ijca2023922832](https://doi.org/10.5120/ijca2023922832)
4. Dhefaf Radain, Saliha Almalki, Hana Alsaadi, Shaimaa Salama, "A Review On Defense Mechanisms Against Distributed Denial Of Service (Ddos) Attacks On Cloud Computing", 2021 International Conference Of Women In Data Science At Taif University (Widstaif), pp. 1-6, 2021.
DOI: [10.1109/WiDSTaif52235.2021.9430220](https://doi.org/10.1109/WiDSTaif52235.2021.9430220)
5. Ghadeer Alwafi, Mona Alrougi, Rahaf Alsulami, Shaimaa Salama, "A Survey Of Mobile Cloud Computing Challenges And Solutions", International Journal Of New Technology And Research, vol: 7, 2021.
DOI: [10.31871/IJNTR.7.3.6](https://doi.org/10.31871/IJNTR.7.3.6)
6. Awatif Almurayziq, Shaimaa Salama, "Proposed Framework For Quality Assessment Of E-Government Portals In Saudi Arabia", International Journal Of Computer Applications, vol: 177, pp. 13-24, 2019.
DOI: [10.5120/ijca2019919633](https://doi.org/10.5120/ijca2019919633)
7. Amani M., Shaimaa Salama, "Discovering Performance Evaluation Features Of Faculty Members Using Data Mining Techniques To Support Decision Making", International Journal Of Computer Applications, vol: 178, pp. 25-29, 2019.
DOI: [10.5120/ijca2019919417](https://doi.org/10.5120/ijca2019919417)
8. Mohamed Farrag*, Laila El Fangary**, Mona Nasr***, Chaimaa Salama, "A Comparison Study Of Different Community Detection Approaches And Its Potential Applications For Online Networks", Int. Journal Of Engineering Research And Application, 2017.
9. Mohamed Farrag, Laila El Fangary, Mona Nasr, Chaimaa Salama, "Rank The Top-N Products In CoPurchasing Network Through Discovering Overlapping Communities Using (Lc-Bdl) Algorithm", Journal Of Multidisciplinary Engineering Science And Technology, 2017.
10. Mennatollah M., Shaimaa Salama, Doaa S., "Improving Web Search Results By Removing Outliers Using Data Mining Techniques", International Journal Of Computer Applications, vol: 176, pp. 9-14, 2017.
DOI: [10.5120/ijca2017915635](https://doi.org/10.5120/ijca2017915635)
11. Nesma Taher, Shaimaa Salama, Doaa ElZanfaly, "New Insight Into Customer Value Analysis Using Data Mining Techniques", International Journal Of Computer Applications, vol: 176, pp. 27-38, 2017.
DOI: [10.5120/ijca2017915560](https://doi.org/10.5120/ijca2017915560)
12. Ayman E. Khedr, S.E.Salama, Nagwa Yaseen, "Predicting Stock Market Behavior Using Data Mining Technique And News Sentiment Analysis", International Journal Of Intelligent Systems And Applications, vol: 9, pp. 22-30, 2017.
DOI: [10.5815/ijisa.2017.07.03](https://doi.org/10.5815/ijisa.2017.07.03)
13. Mahmoud Abd Ellatif, Shaimaa Salama, Yehia Helmy, Shimaa Ouf, "Semantic Web Based Algorithm For Personalized Learning Environment", International Journal Of Computer Science And Information Security, 2017.

14. Shaimaa salama, Mahmoud Abd Ellatif, Marwa Hosny Hassan, "Ontology Based Information Retrieval Model For Semantic Research Digital Library (Semrdl)", International Journal Of Computer Science And Information Security, 2017.
15. Nesma Mahmoud Taher, Doaa Elzanfaly, Shaimaa Salama, "Investigation In Customer Value Segmentation Quality Under Different Preprocessing Types Of Rfm Attributes", International Journal Of Recent Contributions From Engineering, Science & It (Ijes), vol: 4, pp. 5, 2016.
DOI: [10.3991/ijes.v4i4.6532](https://doi.org/10.3991/ijes.v4i4.6532)
16. Shima Ouf, Mahmoud Abd Ellatif, S.E. Salama, Yehia Helmy, "A Proposed Paradigm For Smart Learning Environment Based On Semantic Web", Computers In Human Behavior, 2016.
DOI: [10.1016/j.chb.2016.08.030](https://doi.org/10.1016/j.chb.2016.08.030)
17. O.E. Emam, S.E. Salama and A.M. Youssef, "An Algorithm For Solving Stochastic Bi Level Multi Objectives Large Scale Quadratic Programming Problem", International Journal Of Mathematical Archive, 2015.
18. O.E. Emam, S.E. Salama and A.M. Youssef, "A Decomposition Algorithm For Solving Chance Constrain Bi Level Multi Objective Large Scale Quadratic Programming Problem", International Journal Of Pure And Applied Sciences And Technology, 2015.
19. Sarah Naiem, Mahmoud M. Abdellatif, Salama S. E, "Evaluation Of Computer Science And Software Engineering Undergraduate???S Soft Skills In Egypt From Student???S Perspective", Computer And Information Science, vol: 8, 2015.
DOI: [10.5539/cis.v8n1p36](https://doi.org/10.5539/cis.v8n1p36)
20. Ahmed Alhamzi, Mona Nasr, Shaimaa Salama, "A Comparative Study Of Association Rules Algorithms On Large Databases", Egyptian Computer Science Journal, 2014.
21. Shaimaa Ezzat, Mohamed I., Laila M., Yehia K., "Web Anomaly Misuse Intrusion Detection Framework For Sql Injection Detection", International Journal Of Advanced Computer Science And Applications, vol: 3, 2012.
DOI: [10.14569/IJACSA.2012.030321](https://doi.org/10.14569/IJACSA.2012.030321)
22. Shaimaa Ezzat Salama, Mohamed I. Marie, Laila M. El-Fangary, Yehia K. Helmy, "Web Server Logs Preprocessing For Web Intrusion Detection", Computer And Information Science, vol: 4, 2011.
DOI: [10.5539/cis.v4n4p123](https://doi.org/10.5539/cis.v4n4p123)

الصورة الشخصية	شيماء محمد عزت سلامه	الاسم
	Shaimaa Mohamed Ezzat Salama	Name
	Shaimaa Salama	الاسم المستخدم فى النشر العلمى
	أستاذ مساعد كلية الحاسبات والذكاء الاصطناعي جامعة حلوان	الوظيفة الحالية وجهة العمل
	دكتوراه- جامعة حلوان- جمهورية مصر العربية	الدرجة العلمية (اسم الجامعة والدولة)
	Information Systems	التخصص العام
	Information Systems	التخصص الدقيق
	Shaimaa.salama@fci.helwan.edu.eg	البريد الإلكتروني
	- School: Saint Vincent De Paul - Higher education: Faculty of Computers and Information Systems, IS department - M.Sc. in Information systems, Helwan University, Egypt, 2006 Title ' Applying temporal events in XML ' - Ph.D. in Information Systems, Helwan University, Egypt, 2012 Title 'Proposed intrusion detection model for e-commerce environment using data mining'	المؤهلات العلمية
	مرفقة	السيرة الذاتية
	1. Raghad Alharbi, Manal Abdulaziz, Shaimaa Salama, "Developing An Innovative NLP Based Model To Enhance Search Accuracy For Microlearning Videos On Youtube", Journal Of Information Systems Engineering And Management, vol: 10, pp. 240-253, 2025. 2. Ghadi Shaheen, Fatmah Alahmadi, Amjad Alsulami, Shaimaa Salama, "A Survey On Iot Security: Iot Architecture, Security Issues, Challenges, And	الأبحاث المنشورة

Solutions", Internatinal Journal Of Computer Applications, 2024.

4. Shaimaa Salama, Yasmin Alamoudi, Ghadeer Alamoudi, Farah Albeshri, "Cloud Computing Security Issues

5. And Countermeasure: A Comprehensive Survey", International Journal Of Computer Applications, vol: 185,pp. 54-61, 2023.

6. Dhefaf Radain, Saliha Almalki, Hana Alsaadi, Shaimaa Salama, "A Review On Defense Mechanisms Against Distributed Denial Of Service (Ddos) Attacks On Cloud Computing", 2021 International Conference Of Women In Data Science At Taif University (Widstaif), pp. 1-6, 2021.

7. Ghadeer Alwafi, Mona Alrougi, Rahaf Alsulami, Shaimaa Salama, "A Survey Of Mobile Cloud Computing Challenges And Solutions", International Journal Of New Technology And Research, vol: 7, 2021.

8. Awatif Almurayziq, Shaimaa Salama, "Proposed Framework For Quality Assessment Of E-Government Portals In Saudi Arabia", International Journal Of Computer Applications, vol: 177, pp. 13-24, 2019.

9. Amani M., Shaimaa Salama, "Discovering Performance Evaluation Features Of Faculty Members Using Data Mining Techniques To Support Decision Making", International Journal Of Computer

- Applications,
vol: 178, pp. 25-29, 2019.
10. Mohamed Farrag*, Laila El Fangary**, Mona Nasr***, Chaimaa Salama, "A Comparison Study Of Different Community Detection Approaches And Its Potential Applications For Online Networks", Int. Journal Of Engineering Research And Application, 2017.
11. Mohamed Farrag, Laila El Fangary, Mona Nasr, Chaimaa Salama, "Rank The Top-N Products In Co-Purchasing Network Through Discovering Overlapping Communities Using (Lc-Bdl) Algorithm", Journal Of Multidisciplinary Engineering Science And Technology, 2017.
12. Mennatollah M., Shaimaa Salama, Doaa S., "Improving Web Search Results By Removing Outliers Using Data Mining Techniques", International Journal Of Computer Applications, vol: 176, pp. 9-14, 2017.
13. Nesma Taher, Shaimaa Salama, Doaa ElZanfaly, "New Insight Into Customer Value Analysis Using Data Mining Techniques", International Journal Of Computer Applications, vol: 176, pp. 27-38, 2017.
14. Ayman E. Khedr, S.E.Salama, Nagwa Yaseen, "Predicting Stock Market Behavior Using Data Mining

Technique And News Sentiment Analysis",
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15. Mahmoud Abd Ellatif, Shaimaa Salama,
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International Journal Of Computer Science And
Information Security,

2017.

16. Shaimaa salama, Mahmoud Abd Ellatif,
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Journal Of Computer Science And Information
Security, 2017.

17. Nesma Mahmoud Taher, Doaa Elzanfaly,
Shaimaa Salama, "Investigation In Customer
Value

Segmentation Quality Under Different
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International Journal Of Recent Contributions
From Engineering, Science & It (Ijes), vol: 4, pp.
5, 2016.

18. Shima Ouf, Mahmoud Abd Ellatif, S.E.
Salama, Yehia Helmy, "A Proposed Paradigm
For Smart Learning Environment Based On
Semantic Web", Computers In Human Behavior,
2016.

19. O.E. Emam, S.E. Salama and A.M. Youssef,
"An Algorithm For Solving Stochastic Bi Level
Multi

	Objectives Large Scale Quadratic Programming Problem", International Journal Of Mathematical Archive,2015. 20. O.E. Emam, S.E. Salama and A.M. Youssef, "A Decomposition Algorithm For Solving Chance Constrain Bi Level Multi Objective Large Scale Quadratic Programming Problem", International Journal Of Pure And Applied Sciences And Technology, 2015. 21. Sarah Naiem, Mahmoud M. Abdellatif, Salama S. E, "Evaluation Of Computer Science And Software Engineering Undergraduate???S Soft Skills In Egypt From Student???S Perspective", Computer And Information Science, vol: 8, 2015. 22. Ahmed Alhamzi, Mona Nasr, Shaimaa Salama, "A Comparative Study Of Association Rules Algorithms On Large Databases", Egyptian Computer Science Journal, 2014. 23. Shaimaa Ezzat, Mohamed I., Laila M., Yehia K., "Web Anomaly Misuse Intrusion Detection Framework For Sql Injection Detection", International Journal Of Advanced Computer Science And Applications, vol: 3, 2012. 24. Shaimaa Ezzat Salama, Mohamed I. Marie, Laila M. El-Fangary, Yehia K. Helmy, "Web Server Logs Preprocessing For Web Intrusion Detection", Computer And Information Science, vol: 4, 2011.	
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