



Personal Information

Bashar Ahmed Khalaf

Date of birth: 29-7-1989

Nationality: Iraq

Gender: Male

Marital status: Single

Driver license: Inter. & Iraqi

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Research gate:

https://www.researchgate.net/profile/Bashar_Khalaf

Google Scholar:

<https://scholar.google.com/citations?user=M5YPWTYAAAAJ&hl=en>

Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=57205359430>

publons:

<https://publons.com/researcher/3080494/bashar-ahmed/>

LANGUAGES

Arabic ●●●●●

English ●●●●○

WORK EXPERIENCE

7/2011 - 10/2014

Ashour General Constructive Contracting Company

Responsibilities:

- Programmer

12/2014 – 03/2017

laboratory Assistant in Al Yarmouk University College, Ministry of Higher Education, Dyaila Iraq

Responsibilities:

- Manager of Cisco Lab
- Teaching networking subject

12/2020- to present

Bilad Alrafidain University College/ Department Of Medical Instruments Engineering Techniques

EDUCATION

2007 - 2011

Bachelor Degree, Department of Computer Science from the College of Baseic Education, University of Diyala, Iraq
2017 - 2019

Master Degree, College of Computer Science and Information Technology, Universiti Tun Hussein Onn Malaysia (UTHM), Johor, Malaysia

SKILLS

- **ISP, C#, GNS3 and Packet Tracer**

RESEARCH FIELD

- Cybercrime, Network Security, Computer Networking, Intrusion Detection System (IDS), Intrusion Prevention System (IPS), Statistical Techniques, Technology, Machine learning and Deep learning.

Certifications

- **Test of English as a Foreign Language (TOEFL) iBT.**
- **International Symposium on Agents, Multi-Agent Systems and Robotics (ISAMSR 2018) (Presenter).**
- **The 3rd International Conference on Computing, Communications, and Information Technology (CCIT 2019).**

PUBLICATIONS

- **Bashar Ahmed Khalaf**, Salama A Mostafa, Mazin Abed Mohammed, Wafaa Mustafa Abdullallah, Aida Mustapha: Comprehensive Review of Artificial Intelligence and Statistical Approaches in Distributed Denial of Service Attack and Defense Methods. IEEE Access 04/2019; PP (99):2169-3536.
- **Bashar Ahmed Khalaf**, Salama A. Mostafa, Aida Mustapha, Noryusliza Abdullah: An Adaptive Model for Detection and Prevention of DDoS and Flash Crowd Flooding Attacks. 2018 International Symposium on Agent, Multi-Agent Systems and Robotics (ISAMSR); 08/2018.
- **Bashar Ahmed Khalaf**, S. A. Mostafa, A. Mustapha, A. Ismail, M. A Mahmoud, M. A. Jubair and M. H. Hassan, A Simulation Study of SYN Flood Attack in Cloud Computing Environment, Journal of Southwest Jiaotong University (2019).
- Marwan Hamid Hassan, Salama A Mostafa, Mazin Abed Mohammed, Dheyaa Ahmed Ibrahim, **Bashar Ahmed Khalaf**, Ahmed Al-Khaleefa: Integrating African Buffalo Optimization Algorithm in Aodv Routing Protocol For Improving The Qos Of Manet. Journal of Southwest Jiaotong University 06/2019; 54(3):12.
- Mostafa, S. A., Mustapha, A., Shamala, P., Obaid, O. I., & **Khalaf, B. A.** (2020). Social networking mobile apps framework for organizing and facilitating charitable and voluntary activities in Malaysia. Bulletin of Electrical Engineering and Informatics, 9(2), 827-833.
- Thaeer Hammid, A., Awad, O. I., Sulaiman, M. H., Gunasekaran, S. S., Mostafa, S. A., Manoj Kumar, N., ... & Abdulhasan, R. A. (2020). A review of optimization

algorithms in solving hydro generation scheduling problems. *Energies*, 13(11), 2787.

- Fadel, H., Hameed, R. S., Hasoon, J. N., Mostafa, S. A., & Khalaf, B. A. (2020). A Light-weight ESalsa20 Ciphering based on 1D Logistic and Chebyshev Chaotic Maps. *Solid State Technology*, 63(1), 1078-1093.
- Al-Jawhar, Y. A., Ramli, K. N., Taher, M. A., Shah, N. S. M., Mostafa, S. A., & Khalaf, B. A. (2021). Improving PAPR performance of filtered OFDM for 5G communications using PTS. *ETRI Journal*, 43(2), 209-220.
- Zuhlilmi, A., Mostafa, S. A., Khalaf, B. A., Mustapha, A., & Tenah, S. S. (2020, December). A comparison of three machine learning algorithms in the classification of network intrusion. In *International Conference on Advances in Cyber Security* (pp. 313-324). Springer, Singapore.
- Babatunde, O. S., Ahmad, A. R., Mostafa, S. A., Foozy, C. F. M., Khalaf, B. A., Fadel, A. H., & Shamala, P. (2020). A smart network intrusion detection system based on network data analyzer and support vector machine. *International Journal of Emerging Trends in Engineering Research*, 8(1 Spec), 213-220.
- Ahmed, B. (2020). An Expert System for Engine Excavator Troubleshooting. *Journal of Soft Computing and Data Mining*, 1(2), 53-61.
- Ahmed, B. (2020). Wrapper Feature Selection Approach Based on Binary Firefly Algorithm for Spam E-mail Filtering. *Journal of Soft Computing and Data Mining*, 1(2), 44-52.
- Ali, A. A., Hameed, E. M., Shareef, S. M., & Khalaf, B. A. (2020). Lion Optimized K-Means Support Vector Machine for Clustering Problems in Cloud Internet of Things Environment. *Solid State Technology*, 63(6), 4620-4631.
- Khalaf, B. A., Mostafa, S. A., Mustapha, A., Mohammed, M. A., Mahmoud, M. A., Al-Rimy, B. A. S., ... & Marks, A. (2021). An Adaptive Protection of Flooding Attacks Model for Complex Network Environments. *Security and Communication Networks*, 2021.
- Jern, S. T. W., Samsudin, N. A., Aswad, F. M., & Khalaf, B. A. (2021). An Expert System for Laptop Fault Diagnostic Assistance. *Journal of Soft Computing and Data Mining*, 2(1), 41-52.
- Azizan, A. H., Mostafa, S. A., Mustapha, A., Foozy, C. F. M., Abd Wahab, M. H., Mohammed, M. A., & Khalaf, B. A. (2021). A Machine Learning Approach for Improving the Performance of Network Intrusion Detection Systems. *Annals of Emerging Technologies in Computing (AETiC)*, 5(5).
- Ahmed Khalaf, B. (2019). An improved agent-based adaptive protection model for distributed denial of service flooding attack and flash crowd flooding traffic (Doctoral dissertation, Universiti Tun Hussein Onn Malaysia).