

RESUME

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Objective

I am looking forward to joining your organization. I am a reliable team builder and leader. Also have a high level of personal morals, integrity, goal-oriented, self-motivated, and committed to a successful outcome and willing to work hard.

Education

UNIVERSITY OF TECHNOLOGY, COLLAGE OF ENGINEERING. COMPUTER ENGINEERING. **BAGHDAD,IRAQ**
PhD of Computer Engineering **2019-2022**

UNIVERSITY OF BAGHDAD, COLLAGE OF ENGINEERING. **BAGHDAD,IRAQ**
Master of Computer Engineering. **2011-2014**

AL-MUSTANSRYIA UNIVERSITY **BAGHDAD,IRAQ**
Bachelor of Computer Engineering, Major in Computer Science Engineering. **2002-2006**

Skills

Languages	C++, C# .Net, HTML,Python, Matlab, Java, JavaScript, VHDL
Operating Systems	Microsoft Windows, Linux
Databases	My SQL, Oracle

Experience

Work experience as a Lecturer in the Department of Information & Communication at Al-Khawarizmi College of Engineering	2014- Present
Worked as a Software Engineer in the Department of Information & Communication at Al-Khawarizmi College of Engineering	2006-2014

Undergraduate Subject Taught

Digital System Design ,Data Structures, Algorithms, Object Oriented Programming , Machine Learning, Data Base Design, Operating Systems, Computer Graphics, Programming Paradigms, Technical English.

Postgraduate Subject Taught

Information Security Systems.

Certifications and Awards

1. CCNA level 1(2007).
2. Wireless Technology (2008).
3. Introduction to Cyber security course from the Cisco Networking Academy (2016)
4. NDG Linux Essentials from the Linux Professional Institute (LPI).(2016)
5. Packet Tracer 101 course from the Cisco Networking Academy.(2016)
6. CPA: Programming Essentials in C++.(2016)
7. CCNA Routing and Switching: Introduction to Networks.(2017)
8. CCNA Routing and Switching: Routing and Switching Essentials.(2017)
9. CCNA Routing and Switching: Scaling Networks(2018)
10. Al- Khwarizmi Award of the best teacher for the academic year 2017 -2018
11. Won the bronze medal in the proceedings of the 6th International Conference on Software Engineering & Computer Systems (ICSECS 2019) held at the faculty of computers, University Malaysia Pahang.
12. Al- Khwarizmi Award of the best teacher for the academic year 2022 -2023.
13. Al- Khwarizmi Award of the best graduation project for the academic year 2022 - 2023.

Field of interest

Artificial Intelligence, Machine Learning , Cryptography Algorithms, Parallel Processing, Operating Systems, Cloud Computing, IoT, Object Oriented Technology and Image Processing.

Editorial Duties and Society Fellows

- Organizer of ICE Programmers Competition.
- Member of Association for Computing Machinery (ACM)
- Member of International Association for the Engineers.
- Member of International Computer Science and Engineering Society (ICSSES).
- Cisco Networking Academy, Al-Khwarizmi Eng. Academy, Instructor.
- Oracle Academy, Al-Khwarizmi Eng. Academy, Instructor.

- EU Code Week Ambassador, Iraq Section.
- Editorial Board Member in the International Journal of Applied Science and Technology Research Excellence.
- Editorial Board Member in Al-Khwarizmi Engineering Journal.
- Editorial Board Member in Al-Salam Journal for Engineering and Technology (AJEST).
- Editorial Board Member in Journal of Cognitive Human-Computer Interaction.
- Reviewer in Peer-to-Peer Networking and Applications Journal.
- Reviewer in International Journal of Image and Graphics.
- Reviewer in ICSES Interdisciplinary Transactions on Cloud Computing, IoT, and Big Data (IITCIB).
- Reviewer in International Journal of Engineering Research and Technology (IJERT).
- Reviewer in Journal of Computer Science Journal.
- Reviewer in International Journal of Computing and Digital Systems.
- Reviewer in International Journal of Nanotechnology and Nanoscience (IJNN).
- Reviewer in International Journal of New Computer Architectures and Their Applications.
- Reviewer in IEEE Access.
- Reviewer in Iraqi Journal For Computer Science and Mathematics.

Publication

- [1] Thabit, R., Fadhil, H., Fakhruldeen, H., Shather, A., & Al-Askari, M. (2024). A New Face Swap Detection Technique for Digital Images. *Advances in Systems Science and Applications*, 24(1), 142-162. <https://doi.org/10.25728/assa.2024.24.1.1378>
- [2] Heba M. Fadhil. (2024). Optimizing Task Scheduling and Resource Allocation in Computing Environments using Metaheuristic Methods. *Journal of* , 15 (1), 157-179 (Doi : <https://doi.org/10.54216/FPA.150113>)
- [3] Heba Mohammed Fadhil , Mohammed Issam Younis. (2024). A Hybrid Meta-Heuristic Approach for Test Case Prioritization and Optimization. *Journal of* , 14 (2), 261-271 (Doi : <https://doi.org/10.54216/FPA.140221>)
- [4] Heba M. Fadhil, Noor Q. Makhool. Forecasting Cryptocurrency Market Trends with Machine Learning and Deep Learning. *BIO Web Conf.* 97 00053 (2024). DOI: 10.1051/bioconf/20249700053

- [5] Heba Mohammed Fadhil, Mohammed Najm Abdullah, Mohammed Issam Younis. Dynamic TWGH: Client-Server Optimization for Scalable Combinatorial Test Suite Generation. *BIO Web Conf.* 97 00115 (2024). DOI: 10.1051/bioconf/20249700115
- [6] Fadhil, H.M., Abdullah, M.N. and Younis, M.I., 2022. TWGH: A Tripartite Whale–Gray Wolf–Harmony Algorithm to Minimize Combinatorial Test Suite Problem. *Electronics*, 11(18), p.2885.
- [7] Fadhil, H.M., Abdullah, M. and Younis, M., 2023. Innovations in T-way test creation based on a hybrid hill climbing-greedy algorithm. *IAES International Journal of Artificial Intelligence*, 12(2), p.794.
- [8] Hummady, M.M. and Fadhil, H.M., 2022, December. Smart Healthcare Medical Bracelet using the Internet of Things. In *2022 International Conference on Computer and Applications (ICCA)* (pp. 1-7). IEEE.
- [9] Fadhil, H.M. and Ibrahim, M.D., 2022, December. Mobile Application to Locate and Track Person's Whereabouts and Send SOS Messages. In *2022 International Conference on Computer and Applications (ICCA)* (pp. 1-5). IEEE.
- [10] Fadhil, H.M., Hassan, H.S. and Abed, E.M., 2022, December. IoT E-health System for Cardiac Telemonitoring. In *2022 International Conference on Computer and Applications (ICCA)* (pp. 1-6). IEEE.
- [11] Fadhil, H.M., Abdunnasser, Z. and Mohammed, S., 2022, December. Improve Data Mining Techniques with a High-Performance Cluster. In *2022 International Conference on Computer and Applications (ICCA)* (pp. 1-5). IEEE.
- [12] Hamad, A.H. and Fadhil, H.M., 2022, January. Appraisal of intelligent notification system for smart university campus based internet of objects for social activities. In *AIP Conference Proceedings* (Vol. 2386, No. 1, p. 050006). AIP Publishing LLC.
- [13] Dawood, Z.O. and Fadhil, H.M., 2022. Improvement of energy consumption in MIMO with cognitive radio networks. *Bulletin of Electrical Engineering and Informatics*, 11(2), pp.862-869.
- [14] Fadhil, H.M., Makhool, N.Q., Hummady, M.M. and Dawood, Z.O., 2022. Machine Learning-based Information Security Model for Botnet Detection. *Journal of Cybersecurity and Information Management (JCIM)* Vol, 9(01), pp.68-79.
- [15] Fadhil, H.M., Hummady, M.M., Makhool, N.Q. and Dawood, Z.O., Energy Aware Scheme for Underwater Wireless Sensor Networks. *International Journal of Wireless and Ad Hoc Communication (IJWAC)* Vol. 05, No. 01, PP. 08-21, 2022
- [16] Heba Fadhil, "High Performance Clustering to Improve Data Mining

Techniques," *Frontiers of Supercomputing*, vol. 3, no. 1, pp. 1-2, Apr. 2020.

- [17] Heba Fadhil, "Task Scheduling in the Cloud Amended Through Genetic Algorithms," *International Transactions on Evolutionary and Metaheuristic Algorithms*, vol. 6, no. 1, pp. 1-2, Apr. 2020.
- [18] H. M. Fadhil, M. I. Younis, A. A. Alsewari, M. Abd-Alrazzaq, A. Toran Mahdi, and A. A. Alomoush, "An open cloud-based platform for the creation and delivery of smart applications and services," *IOP Conference Series: Materials Science and Engineering*, vol. 769, p. 012067, Jun. 2020.
- [19] Fadhil, H.M. and Dawood, Z.O., 2018, August. Evolutionary Perspective of Mobile Communication Technologies. In 2018 International Conference on Computer and Applications (ICCA) (pp. 80-84). IEEE.
- [20] Heba Mohammed Fadhil , "Accelerating Concealed ISB Steganography and Triple- DES Encryption using Massive Parallel GPU", *Journal of Applied Sciences Research*. 13(3); Pages: 17-26.
- [21] Heba Mohammed Fadhil , "Concerted Digital Watermarking Algorithm Based on DWT-DLT Transformation and Henon Map Encryption", *European Journal of Scientific Research*, Volume 145 Issue 3.
- [22] H. Fadhil, "Cloud Precept: Storage, Backup, and Synchronization", *CSES Interdisciplinary Transactions on Cloud Computing, IoT, and Big Data (IITCIB)*, vol. 2, no. 1, pp. 1-3, 2018.
- [23] Heba Fadhil, "The Age of Miraculous Technology Advent to Eradicate Cancer Cells," *ICSES Transactions on Image Processing and Pattern Recognition*, vol. 4, no. 2, pp. 1-3, Jun. 2018.
- [24] H. Mohammed Fadhil, "The Perception of Information Security Threats Surrounding the Cloud Computing Environment," *International Journal of Computing and Digital Systems*, vol. 7, no. 6, pp. 375–380, Nov. 2018.
- [25] Heba M. Fadhil, Abdullah Kadhum, Rafah Abdulkadhum, "Multi-effectiveness Smart Home Monitoring System Based Artificial Intelligence through Arduino," *Journal of Software* vol. 12, no. 7, pp. 546-558, 2017.
- [26] Mohammed Issam Younis; Heba Mohammed Fadhil; Zainab Nadhim Jawad, "Acceleration of the RSA Processes based on Parallel Decomposition and Chinese Remainder Theorem" , *International Journal of Application or Innovation in Engineering & Management (IJAIEM)* (Vol.5, No. 1) **Page** : 012-023, 2016.
- [27] Heba Mohammed Fadhil ; Zainab Ahmed ; Neran EidanIssam "Design of Computerized Students Grades Database Management System". *International*

Journal of Scientific Development and Research, vol. 1, issue 9, pp. 343 - 349, 2016.

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