

Curriculum Vitae

Zahra Abdalla Elashaal

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زهرة عبدالله الأشعل

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I- PERSONAL INFORMATION

Name:	Zahra Abdalla Elashaal
Profession:	Assistant Professor in Information Technology (IT) Faculty at University of Tripoli.
Qualification:	Master's degree M.Sc. in Computer Engineering 2011, From Engineering Faculty, Computer department at University of Tripoli, Tripoli - Libya.
Nationality:	Libyan.
Language:	Arabic (Mother language) & English very well.
Address:	Tajura / Tripoli / Libya.
Gender:	Female
Marital Status:	Single
Driving license:	Yes
Countries visited:	Canada, United Kingdom UK, Arabic Saudi, Egypt and Tunisia.
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Google Scholar	https://scholar.google.com/citations?hl=en&user=t7tcV-QAAAAJ
UoT Page	https://uot.edu.ly/it/se/staff/index.php?id=1219

II- QUALIFICATIONS:

Sept 2021 *IELTS certificate with band 5*

1-Online Certifecats.

31 May 2020 *Structuring Machine Learning Projects.*

Verify at coursera.org/verify/YBAPCXGSC738.

<https://www.coursera.org/account/accomplishments/records/YBAPCXGSC738>

- 23 May 2020 ***Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization.***
Verify at [coursera.org/verify/577V73NYFD76](https://www.coursera.org/verify/577V73NYFD76)
<https://www.coursera.org/account/accomplishments/records/577V73NYFD76>
- 28 April 2020 ***Neural Networks and Deep Learning.***
Verify at [coursera.org/verify/KKVSTTN6Z3M9](https://www.coursera.org/verify/KKVSTTN6Z3M9)
<https://www.coursera.org/account/accomplishments/records/KKVSTTN6Z3M9>
- 28 April 2020 ***Python Data Structures.***
Verify at [coursera.org/verify/YXGCXB49SGPW](https://www.coursera.org/verify/YXGCXB49SGPW)
<https://www.coursera.org/account/accomplishments/records/YXGCXB49SGPW>
- 11 April 2020 ***Programming for Everybody (Getting Started with Python).***
Verify at [coursera.org/verify/QGYQ6LDKTSE4](https://www.coursera.org/verify/QGYQ6LDKTSE4)
<https://www.coursera.org/account/accomplishments/records/QGYQ6LDKTSE4>

2-Publishing papers.

- 2024-06-09 ***Context-Aware Routing***
Bani Waleed University Journal of Humanities and Applied Sciences
- 2024-06-01 ***Autonomous Search and Rescue Drone***
Libyan Journal of Informatics
- 2024-04-01 ***Enhancing Data Center Performance using Virtual Extensible LAN (VXLAN) Emerging Technology***
Academy journal for Basic and Applied Sciences (AJBAS)
- January 2019 ***The optimal employment of information technology in higher Education in Libya Challenges and solutions.***
at International Science and Technology Journal ISTJ, Volume 16.
- 15 May 2017 ***Managing Power Consumption for IEEE802.15.4 HealthNets***
at the 1st Conference of Industrial Technology, at The College of Industrial Technology, Misuratau –Libya, CODE: 10-009

3-Teaching.

- 2021 – 2022 Voluntarily teaching in some schools and centers for Arabic language and Computer skills.
- 2/2020 – 3/2020 Certificate of attendance for a course of ***Teaching Knowledge Test (TKT)***.
at: New horizon center.

4-Network Fundamentals.

- 2016 Certificate of ***Network Fundamentals*** (98-366: MAT). (Grade 80%).
From: Microsoft Technology Associate.

5-CCNA Instructor.

2015 Certificate of course completion in **CCNA** Routing and Switching: Introduction to Networks. (79%).
From: Cisco Networking Academy.

6-The Master degree.

2007-2011 Master degree M.Sc. in Computer Engineering from Tripoli (Al-Fateh before) University, Faculty of Engineering, Computer Engineering Department, Tripoli / Libya. (Grade B⁺). With the thesis titled “**Optimal power consumption for IEEE 802.15.4/ZigBee HealthNet**”.

7-The B.Sc. degree.

1996/1997 Bachelor degree B.Sc. in Computer Engineering from Tripoli University, Faculty of Engineering, Computer Engineering Department, Libya, (pass Grade, 63.27%). Bachelor title: “**Control of Greenhouses using the computer**”

III- WORK EXPERIENCE:

- **As Trainer and University Teacher**

2021/2022: Voluntarily cooperated with the Sheikh Ali Al-Ghariani Book Center and Bel Alshher school to give free courses in Arabic language and computer basics to children of different ages from first to sixth grade.

11/2018 – up to date: Faculty member (Lecturer) at the Faculty of Information Technology - University of Tripoli.

3/2019 – 3/2020: Head of Internet Technology Department, Faculty of Information Technology – University of Tripoli.

2016 – 10/2018: Faculty member (Lecturer) at the Faculty of Education, at the University of Tripoli.

2015 – up to date: Supervising some projects of graduate students to obtain a bachelor's degree.

2015 – 2016 Responsible on IT department in Research, Consulting and Training Center at Tripoli University.

2013 – 2015 Work as Chief of Networks department in Information and Documentation Centre at Tripoli University.

2012 – 2019 Teaching in Tripoli University in Information Technology Faculty and Education Faculty for the following subjects:

- Network Simulator NS2
- Data Structure
- C/C++ programming languages
- Digital system and Design
- Introduction to Networks.
- Computer Architecture and design.
- Information technology.
- Computer Graphics
- Basics of programming.
- Wide area network (WAN).

2012 – 2013 Work as Training Manager in the International Training and Consultancy

Center ITCC and Trainer for the following courses:

- CCNA instructor
- Office 2010
- ICDL v5
- HTML

• Programming Skills.

- Programming with **Python**.
- Networks and Design Programming: **Network Simulator (NS2)**.
- Statistical and mathematical software: **Math lab, Minitab, SPSS**.
- Programming with **C++**, **FORTRAN**, **C** and **C#** languages.
- Hardware: **PLC**, and **Microcontroller**.

• Networking.

- 2013 – 2015 - Work as Chief of Networks department in Information and Documentation Centre at Tripoli University.
- 2005 - (By return to Cisco, Huawei and ZTE companies) we made a proposal and RFP for "integrated computer network" to the GPTC Company, and it accepted from Cisco Company.
- 1998 - 2001 - Applied Novell and Windows-NT networks in GPTC Company.

• Maintenance.

- 2007- 2009 - Working in GPTC Company at the billing department in technical support.
- 2005 - 2006 - Working in GPTC company at computer department (in the internet unit) to propose for Internet and Intranet networks.
- 2004 - Working at Libyana Company in selling department.
- 1999 - 2003 - Working in a computer and information department at GPTC Company, in repairing computer problems [Software & Hardware].

IV- TRAINING:

A- In computer Field:

- 22/2/2016 - Certificate in **Network Fundamentals** (98-366: MAT). (Grade 80%).
- 2015 - Certificate in **CCNA** instructor.
- 25/3/2013- 1/4/2013 - Certificate of complete a course in **Oracle Solaris 10 Operating System Essentials**. For (35) hours. From: International Training & Consultancy Center (ITCC).

- 2012 - Certificate in **ICDL v5 International Computer Driving License** (exam in English language).
- 2007- 2011 - **Master degree M.Sc.** "Grade; B⁺⁺".
- 3/3/2010 - Certificate in **ICDL v4 International Computer Driving License** with exam in English language
- 7-8/11/2007 - Certificate of Attendance in **IT Security Awareness** work shop. From: HoneyTech & ADALIL Telecom and IT Technology in Tripoli - Libya.
- 1/10/2005 - 19/1/2006 - Course of "SQL Server 2000" (grade; very good).
- 18/8/2001 - 30/8/2001 - Course of "Auto CAD 2000".
- 24/6/2000 - 29/6/2000 - Course of "Fundamental of optical fiber".
- 26/2/2000 - 9/3/2000 - Course of "Fundamental of Unix system".
- 14/12/1999 - 26/12/1999 - Course of "Windows NT system".

B- In English Language:

- 2014 - **TOEFL** preparation Course at University of Windsor – Canada.
- 2010 - Certificate of **CEF level A2**, (grade: A), from the Libyan English Teaching in Universities Project (LETUP).
- Aug. 2008 - Certificate of "Test of English as a Foreign Language" (**TOEFL**), (grade: 450).
- February 2005 - Certificate of "Test of English for International Communication" (**TOEIC**), (grade: 470).
- March 2003 - Certificate of "Preliminary English Test" (**P.E.T**) (grade; Pass).
- 22/12/2001 - - Certificate of "Advanced Level in English Language" (grade; B+) Jawabi Tech and Training school.
- 20/3/2002
- 6/1/2001 - 6/4/2001 - Certificate of "Pre-intermediate Level in English Language" (grade: B+) Jawabi Tech and Training school.

V- OTHER FIELDS and ACTIVATES:

- 30/5/2016 - 2/6/2016 - Certificate of Attendances a course in "Potentiality of University Teaching Management" (PUTM). For (16) hours. From Research, Consulting and Training Center at Tripoli University.
- 4/6/2016 - Awarded the honor certificate for obtaining a master's at the rate 3.13 from the Faculty of Engineering at the University of Tripoli.
- 4/2/2016 - Awarded a certificate of thanks and appreciation for the contribution to the provision of the training program (correspondence, reports preparation). From Research, Consulting and Training Center at Tripoli University.
- 2015 - Awarded a certificate of thanks and appreciation to the project management of the team for the installation of a local area network and connected it to the Internet, at the Department of Food Science and Technology Faculty of Agriculture. Granted from the Department of

- Food Science and Technology Faculty of Agriculture at the University of Tripoli.
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| 6-7/12/2015 | - Certificate of Attendances a training course in " <i>Time Management</i> ". For a (6) hours. From Research, Consulting and Training Center at Tripoli University. |
| 13-15/12/2015 | - Certificate of Attendances a training course in " <i>Quality Management</i> ". For a (9) hours. From Research, Consulting and Training Center at Tripoli University. |
| 20-22/12/2015 | - Certificate of Attendances a training course in " <i>Development of Management Skills</i> ". For a (9) hours. From Research, Consulting and Training Center at Tripoli University. |

VI – INTERESTS:

Traveling, Drawing, Cycling and Swimming.