# Curriculum Vitae

**Zahra Abdalla Elashaal**      cell phone:      +21891-502-5234          زهرة عبدالله الأشـعل
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## I- PERSONAL INFORMATION

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| **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. |
| **Cell phone:** | +21892-502-5234    or    +21891-502-5234 (Libya) |
| **E-mail:** | z.elashaal@uot.edu.ly or zahra.elashaal@enit.utm.tn |
| **P.O.Box** | 13566   - University of Tripoli, Tripoli – Libya. |
| **ORCID** | https://orcid.org/0009-0007-1600-4443 |
| **Google Schooler** | 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/account/accomplishments/records/577V73NYFD76

28 April 2020    ***Neural Networks and Deep Learning.***

Verify at 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/account/accomplishments/records/YXGCXB49SGPW

11 April 2020    ***Programming for Everybody (Getting Started with Python).***

Verify at 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 Fundaments.

2016    Certificate of ***Network Fundaments*** (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:

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

2012 – 2013 Work as Training Manger in the International Training and Consultancy Center ITCC and Trainer for the following courses:

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|---|---|
| - 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.**

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|---|---|---|
| 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:

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|---|---|
| 22/2/2016 | - Certificate in ***Network Fundaments*** (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). |
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| 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. |
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| 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 - 20/3/2002 | - Certificate of "*Advanced Level in English Language*" (grade; B+) Jawabi Tech and Training school. |
| 6/1/2001 - 6/4/2001 | - Certificate of "*Pre-intermediate Level in English Language*" (grade: B+) Jawabi Tech and Training school. |

## V-  OTHER FIELDES 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. |
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| 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 |

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

## VI- INTERESTS:

Traveling, Drawing, Cycling and Swimming.