

# Curriculum Vitae

## PERSONAL INFORMATION:

**Full Name:** Bushra Talal Ali Ghazala  
**Date of Birth:** 10 Sep 1985  
**Nationality:** Syrian  
**Sex:** Female  
**Marital Status:** Married to Jordanian  
**Address:** Irbid / Jordan  
**Tel :** ☎ 00962782047320  
**E-mail:** ✉ dr.bushragh@gmail.com

## EDUCATION AND TRAINING:

- 2017–2021** **Doctorate's Degree in Informatics Engineering specializing in Software Engineering and Information Systems.**  
Faculty of Informatics Engineering, AlBaath university, Homs (Syria).  
Thesis title (Test Cases Generation using Artificial Intelligence Techniques )
- 2014–2017** **Master's Degree in Informatics Engineering specializing in Software Engineering and Information Systems.**  
Faculty of Informatics Engineering, AlBaath university, Homs (Syria).  
Thesis title (Methodologies of Big Data Testing and its Tools)
- 2003–2008** **Bachelor's Degree in Informatics Engineering specializing in Software Engineering and Information Systems.**  
Faculty of Informatics Engineering, AlBaath university, Homs (Syria).

## WORK EXPERIENCE:

- 2008–2023** **Teaching Assistant**  
Faculty of Informatics Engineering, AlBaath university, Homs (Syria).  
**Taught and supervised the practical sessions of the following subjects:**
- **Modelling and Simulation**, 4<sup>th</sup> year (2008-2009, 2009-2010).
  - **Project Management**, 5<sup>th</sup> year (2008-2009).
  - **Web Programming**, 2<sup>nd</sup> year (2009-2010, 2010-2011, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019).
  - **Programming 2**, 1<sup>st</sup> year (2009-2010, 2010-2011).
  - **Computer Work Principles2**, 1<sup>st</sup> year (2009-2010).
  - **Databases 1**, 3<sup>rd</sup> year (2010-2011).
  - **Parallel Programming**, 4<sup>th</sup> year (2010-2011).

- **Advanced Programming 1**, 2<sup>nd</sup> year (2011-2012, 2019-2020, 2020-2021, 2022-2023).
- **Advanced Programming 2**, 3<sup>rd</sup> year (2011-2012, 2017-2018, 2018-2019, 2019-2020, 2020-2021).
- **Computer Work Principles 1**, 1<sup>st</sup> year (2012-2013).
- **Internet Applications**, 2<sup>nd</sup> year (2013-2014, 2014-2015, 2015-2016, 2016-2017).
- **Software Engineering3**, 5<sup>th</sup> year (2020-2021).
- **Knowledge Bases**, 5<sup>th</sup> year (2014-2015, 2020-2021,2022-2023).

**2021–2023**

### **Teaching Assistant**

Faculty of Information Technology, Arab Private University for Science and Technology, Hama (Syria).

#### **Taught and supervised following subjects:**

- **Programming 1**, 1<sup>st</sup> year
- **Programming 2**, 1<sup>st</sup> year
- **Computer Skills**, 1<sup>st</sup> year
- **Web Programming**, 2<sup>nd</sup> year
- **Algorithms 1**, 2<sup>nd</sup> year
- **Algorithms 2**, 2<sup>nd</sup> year
- **Databases 2**, 3<sup>rd</sup> year
- **Development of Web Applications**, 3<sup>rd</sup> year
- **Databases Management**, 4<sup>th</sup> year
- **Data Mining**, 4<sup>th</sup> year

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## SOFTWARE EXPERTISE:

- Advanced experience with Java language
- Advanced experience with database design, database queries and database systems like SQL Server, MySQL and HANA management studio
- Very good experience with Python (data pre-processing, data analysis, clustering and classification algorithms)
- Very good experience with PHP, JavaScript, CSS
- Very good experience with Design Patterns
- Very good experience in the field of software engineering
- Experience in the field of systems analysis, requirements extraction, and the design phase of building software

## PUBLICATIONS:

- B. Ghazala, R. Shaheen, “Testing MapReduce Applications”, Journal of al-Baath University, vol. 38, 2016.
- B. Ghazala, R. Shaheen, “Develop a Software Library to Test Big Data Applications in a Simulated Hadoop Environment”, Journal of al-Baath University, vol. 39, 2017.
- B. Ghazala, “Comparison of Web Services Composition Design Models”, Journal of al-Baath University, vol. 42, 2020.
- B. Ghazala, Y. Attasi, “Generate Test Cases for GUI Applications using Artificial Bee Colony Algorithm”, Journal of al-Baath University, vol. 43, 2021.
- B. Ghazala, Y. Attasi, “Analyze Android Applications to Build a Model that Represents Application Components and How they Interact With Each Other”, Journal of al-Baath University, vol. 43, 2021.