

Ayat Nizar Al Ahmad  
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## PERSONAL DETAILS

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- **Full Name:** Ayat Nizar Arafa Al Ahmad.
- **Date of Birth:** 21/3/1984                      **Place of Birth:** Al Zarqa, Jordan
- **Current Address:** Al Zarqa, Jordan
- **Email:** (work) [ayat@hu.edu.jo](mailto:ayat@hu.edu.jo)                      (personal) [ayat\\_al2005@yahoo.com](mailto:ayat_al2005@yahoo.com)
- **Nationality:** Jordanian
- **Gender:** Female
- **Marital Status:** Married

## EDUCATION

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June 2012	<b>AL-BALQA'A APPLIED UNIVERSITY</b> <i>Master's degree of Computer Science</i> <i>Dissertation: "Building Arabic Multimedia Information Retrieval System"</i> <i>Average : ( 3.81 out of 4)</i> <i>Rate: Excellent</i>	Salt, Jordan
June 2006	<b>HASHEMITE UNIVERSITY</b> <i>Bachelor degree in Software Engineering</i> <i>Average : ( 3.78 out of 4)</i> <i>Rate: Excellent</i>	Zarqa, Jordan
August 2002	<b>QATR AL NADA SECONDARY SCHOOL</b> <i>The General Secondary Education Certificate, Scientific Stream, Ministry of Education, Jordan</i> <i>Average: 88.8</i> <i>Rate: very good</i>	Zarqa, Jordan

## EXPERIENCE

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2006-2015	<b>HASHEMITE UNIVERSITY</b> <i>Computer Lab Supervisor, Software Engineering Department, Faculty of Information Technology</i> <ul style="list-style-type: none"><li>• Administer, manage and control computer lab. under LAN environment.</li><li>• Manage a Windows Server 2003 (Domain server) in a Client-Server environment for educational purposes.</li><li>• Install and maintain Windows Operating Systems and other software under LAN environment</li><li>• Instructing computer lab students and assisting professors in teaching and research activities.</li><li>• Teaching practical courses:<ul style="list-style-type: none"><li>○ Computer Skills 1 Lab</li><li>○ Computer Skills 2 Lab</li><li>○ Multimedia Programming Lab (Flash, Photoshop)</li><li>○ Introduction to Programming Lab (C++)</li><li>○ Object Oriented Programming 1 Lab (Java)</li><li>○ Database Lab</li></ul></li><li>• IC3 Certified Trainer</li><li>• ICDL Trainer</li><li>• Member of multiple scientific committees at the faculty:<ul style="list-style-type: none"><li>○ Examination Committee: preparing, coordinating and scheduling Exams</li></ul></li></ul>	Zarqa, Jordan
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- Website Committee: publishing and updating the contents of the faculty website
- Study Plan Committee in Software Engineering Department.
- 20 Sep 2015 to present **HASHEMITE UNIVERSITY** Zarqa, Jordan
  - *Full- Time lecturer, Computer Science Department, Faculty of Information Technology*

## COURSES

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- Java SE 7 Training Course, PSUT, 2012
- Microsoft Silverlight/ WP7, Pioneers Academy, Hashemite University, 2012
- Oracle Database 11g: Administration Workshop I, Oracle, PSUT, 2012
- Effective Requirements Management using Rational ClearQuest, METHOD, Hashemite University, 2010
- Blackboard Learning Management System, e-Learning Center, Hashemite University, 2007
- Lectora Authoring Tool, e-Learning Center, Hashemite University, 2007
- Tegrity Class Capturing Tool, e-Learning Center, Hashemite University, 2007
- Elluminate Virtual Class Room, e-Learning Center, Hashemite University, 2007
- IC3 Trainer Preparation Course, EITS, 2007
- ORACLE 10g , Muab Academe, 2006
- ARIS IN PROJECTS –ATS2, Hashemite University, 2005
- ARIS BASICS – ATS1, Hashemite University , 2005

## PUBLICATIONS

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### **Journal Publications:**

Idwan, Sahar; Mukattash, Adnan; Ashhab, "Moh'd Sami"; Nizar, Ayat; Etaiwi, Wael, “**Application of Enhanced Depth First Search Algorithm to Jordan Road Networks Structure**”, European Journal of Scientific Research; 3/ 1/2011, Vol. 50 Issue 3, p327.

Ayat Al-Ahmad, Hasan Muaidi, Thaer Khdoor, Shihadeh Alqrainy, "**Arabic Audio News Retrieval System Using Dependent Speaker Mode, Mel Frequency Cepstral Coefficient and Dynamic Time Warping Techniques**", Research Journal of Applied Sciences, Engineering and Technology 7(24): 5082-5097, 2014

RandaObeidallah, Ayat Alahmad, Fairouz Farouq, Sari Awwad, "**Students Authentication in e-assessment Sessions: A Theoretical Biometric Model for Smartphone Devices**", International Journal of Business Information Systems,2014

### **Conference Publications:**

[1] Khalid S. Y. Al-Tahat, Ayat N. Al-ahmad, Noor B. Kallajo, Wala' B. Al-Jayyousi. “**A Design Pattern Management Tool for Educational Purposes**”. *Information and Communication Technologies, 2006. ICTTA '06. 2nd (Volume:1 )*, pp. 31 – 35.

Walid Al ahmad, Ayat Al ahmad,," **Botnets Detection Using Message Sniffing "** , The International Conference on Digital Security and Forensics (DigitSec 2014), June 24-26, 2014.

## PROJECTS

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### Tempus Project 2013- photovoltaic course

Member of the tempus project team work that are working on converting the content of photovoltaic course to interactive e-content.

## SKILLS AND ACTIVITIES

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- **Operating Systems:** MS Windows XP, Vista, 7, MS Windows Server 2003-2008, MAC OSX.
- **Programming Languages:** C, C++, VB.Net, ASP.Net, HTML, JAVA, ORACLE, MATLAB
- **Application Programs:** Adobe Flash, Adobe Photoshop, Rational Rose, Rational Requisitepro, Rational ClearQuest, MS Office, LaTeX, Data Storage and retrieval applications.
- **Languages:** Arabic (mother tongue) English (Fluently)
- **Social Skills:** Excellent leadership, team-working, communication and teaching skills
- **Driving License:** Jordan Drivers License, passenger vehicle.
- **Personal Hobbies:** surfing the net, facebooking, reading, cooking.

## RESEACH INTERESTS

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Information Retrieval, Multimedia Information Retrieval, Algorithms, Clustering, Software Engineering

## REFERENCES

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- Excellent References available upon request.