Talal Sarheed Alshammari

Rank: Assistant professor
Specialization: Artificial intelligence (Machine learning)
Research Interest: AI, Machine learning, Data science
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HIGHLIGHTS

- Experience teaching students and faculty various computer science aspects
- Proficient in Microsoft Office, Microsoft Visual Studio, and Macromedia Dreamweaver
- Cisco Certified Network Associate (CCNA) instructor certified, 2008
- Skilled in many programming languages including: Java, Java script, C++, C#, HTML, and XML
- Experience with various operating systems including: Dos, Windows XP, and Windows 7
- Familiarity with the Oracle 11G database and the MySQL database
- Fluent in Arabic and English
- Great problem solving and time management skills with the ability to meet deadlines

EDUCATION

I have received my Ph.D. in Computer Science, with a thesis entitled "Biologically-Inspired Machine Intelligence Technique for Activity Classification in Smart Home Environments" - May 2019.
Staffordshire University**,** Stoke-on-Trent, United Kingdom
Masters of Science Degree in Computer Science – Nov. 2012
California Lutheran University, Thousand Oaks, California,
Bachelors of Science Degree in Computer Science – June 2007
Aljouf University, Aljouf, Saudi Arabia

RELATED COURSEWORK

- **Web Technology Course**

This course introduces World Wide Web Consortium (W3C) standard markup language and services of the Internet. Topics include creating web pages, search engines, FTP,

- **Database Principles**

This course introduces the basics of database systems, as well as the modeling, design, manipulation of relational databases and SQL queries.

- **Introduction to Computer Science**

This course introduces fundamental notions in Computer Science, and introduces students to an imperative programming language

EMPLOYMENT HISTORY

Technical and Vocational Training Corporation,   Aljouf   2007-2009
Computer Science Trainer

- Taught various courses in Provided faculty and students with network troubleshooting
- Install, configure and maintain the laboratory at faculty
- Trained other departments on software and computer
- Graded home works and exams, maintained course website, and helped create homework assignments

- **Cisco Academic coordinator**
  - Taught various courses in cisco certified networking associate
  - Coordinated and administered online course activities exams, and homework
  - Resolve problems and provide feedback to student

Aljouf University**,**   Aljouf   2009
Teacher assistant
Lecturer,   Aljouf   2013- 2015

- Assisted students with courses in Programming, Database, Web Base Database application, and networking
- Graded student homework and assignments to assist in student learning

- Responsible for classroom instruction when the professor was not present
- Install, configure and maintain the laboratory at university

University of Ha'il,
2015 – 2019. Lecturer, College of Computer Science and Engineering, University of Ha'il, Saudi Arabia
June 2019 – Now. Assistant Professor, College of Computer Science and Engineering, University of Ha'il, Saudi Arabia

List of Publications,

- OpenSHS: Open Smart Home Simulator   May, 2017   Sensors Journal MDPI.
- SIMADL: Simulated Activities of Daily Living Dataset.   April, 2018   Data Journal MDPI.
- Evaluating Machine Learning Techniques for Activity Classification in Smart Home Environments February ,2018 World Academy of Science, Engineering and Technology International Journal of Information and Communication Engineering.

- An Optimized Stacking Ensemble Model for Phishing Websites Detection   May, 2017   Electronics Journal MDPI.
- Phishing websites detection by using optimized stacking ensemble model. June, 2022 Computer Systems Science and Engineering, 41(1), 109-125.
- Hybrid Techniques of Analyzing MRI Images for Early Diagnosis of Brain Tumours Based on Hybrid Features   January, 2023   Processes Journal MDPI.
- Temporal Variations Dataset for Indoor Environmental Parameters in Northern Saudi Arabia   June, 2023. Applied Sciences Journal MDPI.