

DR AHMAD ABDULLAH ALQARNI

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RESEARCHER & IT CONSULTANT

Opportunity with a government agency or an industry leader that will benefit from proven ability in:

RESEARCH, CONSULTANCY, LECTURING SKILLS, PROBLEM-SOLVING, PEOPLE MANAGEMENT, COMMUNICATION AND COORDINATION

- o Motivated, result-driven professional with ample consultancy experience in cloud computing, cloud application, and services, Machine Learning, Big Data, data integration, data governance, and management, data storage, and data centers.
- o Excellent communicator with well-honed listening skills and the ability to interact with a diverse population of people.
- o Skilled at resolving problems through engagement of analytical and critical attributes.
- o Quick learner with a keen eye for detail and the ability to work within aggressive timelines.
- o Technical Expertise: Big Data, Cloud Computing, Natural Language Processing (NLP), Machine Learning, Data mining, Data Analysis and Data Integration.
- o superior oral and written communication skills in English and Arabic.

EDUCATION

Ph.D.: Doctor of Philosophy ~ Computer Science (2016)

Master of Information Technology (2010)

LaTrobe University, Melbourne, VIC, Australia

- Ph.D. Thesis: Methodology of managing big unstructured data within structured data repositories
- Outstanding academic records certificate and award, Head of Saudi Culture Mission in Australia, 2016
- Golden Key for top academic performance, Golden Key International Honor Society, 2014

Bachelor of Computer Science (2004)

King Abdulaziz University, Jeddah, Saudi Arabia

Professional Affiliation: Member, IEEE (Institute of Electrical and Electronics Engineers)

EMPLOYMENT HISTORY

AL BAHA UNIVERSITY, Al Baha, Saudi Arabia

Jan 2004–Present

Vice Dean of the Faculty of Computer Science (2017-Present)

- o Ensuring the effective delivery of high quality teaching and the maintenance of academic standards.
- o Promoting a culture of learning that is directed to student needs, and of teaching that is informed by the research interests of staff in the Vice-Deanery.
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- o Fostering the development of academic policy and initiatives within the context of the long-term strategies of the College and disciplines within the Vice-Deanery.

- Promoting excellence and improvement in all matters of teaching, learning, research and administration.
- Head of Academic affairs Unit (2017-Present)
- Leads the development of a Strategic Plan for unit.
- Encourages and supports strategies to achieve teaching excellence.
- Providing advice and guidance to students and faculty about academic policies and procedures
- Coordinating the administration of registration and grading each semester.
- Heads several committees related to students' academic affairs such as: advance standing committee, disciplinary committee, Curriculum Development Committee, etc.
- Representative of the Faculty of Foreign Relations (2017-Present)
- Communities with governments' agencies and leading technology companies in the kingdom and around the world.
- Partnership with leading training companies to host examination centers, provide the faculty's students with advance training at low cost, and provide internships and coops opportunities for the faculty students.
- Provides specific training to government departments' employees in Al Baha region.
- Head of Information Technology Department (2017-Present)
- Oversee the smooth running of the department.
- Ensuring consistent provision across all teaching groups.
- Manage and motivate all departmental staff to encouraging and effective working environment.
- Hold regular department meetings to set standards and monitor progress against targets and to provide relevant information to the department in a timely manner.
- Assistant Professor – Faculty of Computer Science (2017–Present)
- Research accountabilities include undertaking substantive research for complex problems, ideas, concepts, and theories; and applying appropriate methodologies.
- Presented research papers at national and international conferences
- Provided academic leadership at conferences and raised profile of Al Baha University.
- Lead research groups and secure research grants that help local community to efficiently use limited resources through state-of-the-art solutions in IT (e.g. Using Data Analytics and Knowledge-base to efficiently enhance the farming techniques in Al Baha city).
- Head of Faculty's Staff Committee, in charge of selecting and recruiting talented personnel
- Initiate and strengthen business relationships with internal contacts such as academics in interdisciplinary departments/institutes/centers and external contacts at other educational institutions, employers, and professional organizations
- Collect, manage, and analyze data of the faculty's staff using analytical tools and provide the faculty with precise information for decision making regarding future strategic plans and budget purposes.

Lecturer (2010–2016)

- Spearheaded efforts for improving quality of teaching within Computer Science and Information Technology departments (e.g. Reviewing courses and policies to meet high academic quality standards intentionally and gain an academic accreditation such ABET).
- Taught and evaluated undergraduate and graduate level students – developed engaging course lessons, influenced curriculum development tasks, and reviewed Database and data mining courses.

Teaching Assistant (2004–2010)

- Designed courses and tests, prepared teaching material, and graded assignments on several disciplines of computer science departments (e.g. Programing, Algorithms, Data Mining, and Databases).

- o Organized and led discussion groups, supervised laboratory sessions, and participated in department seminars

TEACHERS COLLAGE, Al Baha, Saudi Arabia
2005

Mar 2004–Mar

Academic Affairs Director

- o Developed and coordinated academic programs and policies
- o Created and sustained an environment of academic excellence for students and faculty

CONSULTANTANCY EXPERIENCE

Nozom Consulting (2017–Present)

- o ERP
- o Data Governance
- o Project Management
- o Dashboards
- o CRM
- o Data Integration
- o Outsourcing
- o Cloud Computing
- o BI
- o Data Preparation
- o Digital Transformation
- o Data Center

Wakeb Technology(2018–Present)

- o Artificial Intelligence
- o Predictive Analysis
- o Machine Learning
- o Business Intelligence
- o Data Management
- o Deep Learning
- o Big Data
- o Internet of Things
- o Object Detection

RESEARCH EXPERIENCE

Research Methodologies and Tools (2008–2009)

- o Formulating a research problem.
- o Constructing hypotheses.
- o Conceptualizing a research design.
- o Constructing data collection instrument.
- o Writing a research proposal.
- o Collecting data.
- o Processing data.
- o Analyzing the finding
- o Writing a research paper.

Experienced Researcher During Master and Ph.D. Studies (2009–2016)

- o **Data Mining:**
 - Techniques: Data Extraction, Creating and using ontologies, Data Wrangling, Pattern Tracking, Classification, Clustering, Regression, Prediction, and data warehousing.
 - Tools: Web Scraper, Rapid Miner, Apache Mahout, Oracle Data Mining, IBM SPSS Modeler, SAS Data Mining, Teradata, R-Programming, H3O, and WordNet.
- o **Machine Learning:**
 - Techniques: Regression, Classification, clustering, Dimensionality Reduction, Deep Learning, etc., Sentimental Analysis.
 - Tools: Python, R, Scikit Learn, Matplotlib, NumPy, Keras, NLTK, Pandas, Tenserflow, Apache Mahout, Rapid Miner.
- o **Cloud Computing:**
 - Techniques: Infrastructure as a service (IaaS), Platform as a service (PaaS), Software as a service (SaaS), Cloud deployment, and Virtualization.
 - Tools: Amazon Web Service (AWS), Microsoft Azure, Google Cloud Platform, IBM Cloud Services.
- o **Data Integration:**

- Techniques: Natural Language Processing, Text Tokenization, Text Segmentation, Text Stemming and Lemmatization, Data Consolidation, Data Federation, Data Propagation, Data Virtualization, and Data Warehousing.
- Tools: IBM InfoSphere, Oracle Data service Integrator, WordNet, Domain Ontologies, Altova, CoreNLP, NLTK, Stanford, Tokenizer.
- o **XML Schemas Matching:**
 - Techniques: instance-based matching, linguistic-based, constraint-based schema-based matching, name matching, structure matching, domain-specific, general ontologies, rule-based, and learning-based solutions, etc.
 - Tools: XBenchMatch, SQL Examiner.

MEMBERSHIPS

- o Head of Staff Committee in the Faculty of Computer Science and Information Technology (2017-Present).
- o Head of Disciplinary Committee in the Faculty of Computer Science and Information Technology (2017-Present).
- o Head of Advance Standing Committee in the Faculty of Computer Science and Information Technology (2017-Present).
- o Head of Academic Affairs Unit in the Faculty of Computer Science and Information Technology (2017-Present).
- o Member of the Technical Program Committee of the International conference on Electrical engineering and Computer Science (ICECOS 2017).
- o Member of the Technical Program committee of the 4TH International conference on Electrical Engineering Computer Science and Informatics (EECSI 2017).
- o Member of Al Baha University Academic Affairs Committee.
- o IEEE Professional Membership (2017-Present).

AWARDS AND RECOGNITIONS

- o Outstanding Academic Records certificate and award, Saudi Arabian Culture Mission in Australia (2017).
- o Academic Leadership Certificate, Academic Leadership Center (2013).
- o Golden Key for Top Academic Performance, Golden Key International Honor Society (2014-Present).
- o Honorary board member (2015).
- o Outstanding Academic Records certificate and award, Saudi Arabian Culture Mission in Australia (2009)
- o 1st Class Honor, King Abdulaziz University (2004).
- o KAU Academic Excellence, King Abdulaziz University (2004).
- o KAU Academic Excellence, King Abdulaziz University (2003).
- o KAU Academic Excellence, King Abdulaziz University (2002).

PUBLICATIONS

Journal Publication

- o Alqarni and E. Pardede, "XML Schema Matching Using Early Dissimilarity Detection Approaches," International Journal of Computer Systems Science and Engineering (IJCSSE), vol. 31(5), 2016.
- o Alzahrani, N, Alahmadi, A, Alqarni, A. (2018). Task Allocation Method for Virtual Sensors with Energy Use Considerations. Albaha University Journal of Basic and applied Sciences, 2018; 2(2):7-12.

Conference Publications

- A. A. Alqarni and E. Pardede, 'Integration of Data Warehouse and Unstructured Business Documents,' in proceedings of the 15th International Conference on Network-Based Information Systems (NBIS), Melbourne, Australia, 2012, pp. 32-37.
- A. A. Alqarni and E. Pardede, 'Internal Filtering Approach toward Efficiency Optimization of Matching Large-Scale XML Schemas,' in proceedings of the 16th International Conference on Network-Based Information Systems (NBIS), Gwangju, Korea, 2013, pp. 464-469.

REFERENCES

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