



MONA AHMED ALTASSAN

Lecturer

Personal Data

Nationality | Saudi

Department | Computer Science

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Language Proficiency

Language	Read	Write	Speak
Arabic	Native	Native	Native
English	Excellent	Excellent	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
Nov 2011	MSc. Advanced Computer Science	School of Computer Science, Faculty of Science and Engineering, University of Manchester	Manchester, UK
June 2006	BSc Computer Science	Computer Science Department, Dammam Science College for Girls, Imam Abdulrahman bin Faisal University (IAU)	Dammam, Saudi Arabia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	
Master	Optimization of the Data Recovery Process Using Genetic Algorithms (Distinction)
Fellowship	
Bachelor	Arabic Letters Classification using ADALINE Neural Networks (First Class Honors, and Prince Mohammad Bin Fahd Bin AbdulAziz Al Saud Award For Scientific Excellence)



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Lecturer	College of Computer Science and Information Technology (CCSIT), Imam Abdulrahman bin Faisal University (IAU)	March 2012
Teaching Assistant	Computer Science (CS) Department, Dammam Science College for Girls, IAU	Sep 2006

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Norah Alsunaidi, Lobna Alzeer, Maha Alkatheiri, Alaa Habbabah, Marwah Alattas, Malak Aljabri, Mona Altassan	Abjad: Towards Interactive Learning Approach to Arabic Reading Based on Speech Recognition	https://doi.org/10.1016/j.procs.2018.10.476
2	Jamal Alhiyafi, Asma Alnahawi, Rawan Alkurissi, Mashaer Bayomi, Manar Bayoumi, Mona Altassan, Alaa Alahmadi, Sunday O. Olatunji	Document Categorization Engine Based on Machine Learning Techniques	https://ieeexplore.ieee.org/document/8716398
3	Sunday O Olatunji, Sarah Alotaibi, Ebtisam Almutairi, Zainab Alrabae, Yasmeen Almajid, Rahaf Altabee, Mona Altassan, Mohammed Imran Basheer Ahmed, Mehwash Farooqui, Jamal Alhiyafi	Early diagnosis of thyroid cancer diseases using computational intelligence techniques: A case study of a Saudi Arabian dataset	DOI: 10.1016/j.combiomed.2021.104267
4	Sunday O Olatunji, Sarah Alotaibi, Ebtisam Almutairi, Zainab Alrabae, Yasmeen Almajid, Rahaf Altabee, Mona Altassan, Mohammed Imran Basheer Ahmed, Mehwash Farooqui, Jamal Alhiyafi	Early Diagnosis of Asthma Diseases Using Computational Intelligence Techniques: A Case Study on Saudi Arabian Dataset	DOI: 10.2139/ssrn.4229372
5	Mohammad Aftab Alam Khan, Maryam AlAyat, Jumana AlGhamdi, Shahad Mohammed AlOtaibi, Maha	WeScribe: An Intelligent Meeting Transcriber and Analyzer Application	DOI: 10.1007/978-981-19-1142-2_59 Conference paper First Online: 03 July 2022



	AlZahrani, Malak AlQahtani, Atta-ur-Rahman, Mona A. Altassan, Farmanullah Jan		Conference: Third International Conference on Computing, Communications, and Cyber-SecurityAt: UP, India (October 2021)
6	Nehad M. Ibrahim, Batoola Ali, Fatimah Al Jawad, Majd Al Qanbar, Raghad I. Aleisa, Sukainah A. Alhmmad, Khadeejah R. Alhindi, Mona Altassan, Afnan F. Al-Muhanna, Hanoof M. Algofari and Farmanullah Jan	Breast Cancer Detection in the Equivocal Mammograms by AMAN Method	https://doi.org/10.3390/app13127183

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date

Current Researches

#	Research Title	Name of Investigator(s)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

Membership of Scientific and Professional Societies and Organizations

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Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Operations Research		Labs
2	Image Processing		Labs
3	Artificial Intelligence		Lectures/Labs
4	Advanced Database Programming		Labs
5	Computer Mathematics		Lectures
6	Computer Programming		Labs
7	Introduction to Computer Science		Labs
8	Selected Topics (JAVA)		Labs
9	Artificial Neural Networks		Labs
10	Assembly Language Programming		Labs
11	Software Engineering		Labs
12	Networks and Communications (2)		Labs
13	Computer Security and Privacy		Labs
14	Object-Oriented Programming (1)		Lectures/Labs
15	Web-based Systems		Labs
16	Decision Support and Expert Systems		Lectures
17	Object-Oriented Programming (2)		Lectures/Labs
18	Fundamentals of Programming		Lectures/Labs
19	Database Concepts and Design		Lectures/Labs
20	Project Implementation		Lectures
21	Operating Systems		Lectures/Labs
22	Data Structures		Lectures/Labs
23			

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	
2	

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	



Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	CS311: Object-Oriented Programming (1)	Yes		Yes		2012	2012
2	CS311: Object-Oriented Programming (1)	Yes		Yes		2018	2019
3	CS321: Object-Oriented Programming (2)	Yes		Yes		2017	2017
4	CIS516: Decision Support and Expert Systems	Yes		Yes		2015	2015
5	CS310: Data Structures	Yes		Yes		2019	2025
7	CS322: Operating Systems	Yes		Yes		2022	2025
8	CS221: Fundamentals of Programming	Yes		Yes	Yes	2022	2023

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring:

#	Level	Number of Students	From	to
	All levels	We are assigned 30 to 43 students for advising every year		

Workshops

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	<p>I have attended 36 workshops in the last 6 years. These are some examples:</p> <ol style="list-style-type: none"> 1. Artificial Intelligence for Intrusion Detection (2021) 2. Effective Strategies for Team-Based Learning (2021) 3. Flipped Classroom (2020) 4. Generative Artificial Intelligence: A Game changer in Higher Education (2023) 5. (Generation Z) المواطنة الرقمية للجيل (2023) 6. SOC and threat hunting operation (2024) 7. Cybersecurity on the Move: Shaping the Future of Connected and Autonomous Vehicles (2024) 8. Reflections on threat detection insiders, cyborgs and AI (2024) 9. Microsoft Learn for Educators Generative AI for Teaching Bootcamp Training Workshop (2025) 10. From Outcomes to Evidence: Strengthening Direct Assessment of Graduate Attributes in IAU Academic Programs (2025)



Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Bachelor (supervisor)	MindSport	CCSIT, IAU	2025/2026
2	Bachelor (supervisor)	Najm Drone	CCSIT, IAU	2025/2026
3	Bachelor (supervisor)	Caption and Price Intelligent (CAPI), An AI-Driven E-Commerce Transformation	CCSIT, IAU	2024/2025
4	Bachelor (supervisor)	Predictive AI Technique for Detecting AD Using Brain Scans	CCSIT, IAU	2022/2023
5	Bachelor (supervisor)	Car Accidents Reporting (CAR) System	CCSIT, IAU	2022/2023
6	Bachelor (supervisor)	Deep learning-based model for Early Detection of Esophageal Cancer using CT scan images	CCSIT, IAU	2020/2021
7	Bachelor (supervisor)	Folium: Plant Disease Detection Using Image Processing and Machine Learning	CCSIT, IAU	2021/2022
8	Bachelor (supervisor)	Arabic Sign Language Translator Application	CCSIT, IAU	2021/2022
9	Bachelor (supervisor)	Tickie Bot	CCSIT, IAU and BeSmart	2020/2021
10	Bachelor (supervisor)	Detecting Malicious HTTP Communications with Machine Learning [HT4]	CCSIT, IAU and Aramco	2019/2020
11	Bachelor (co-supervisor)	Early Diagnosis of Asthma, Thyroid Cancer, and Schizophrenia Diseases Using Computational Intelligence Techniques	CCSIT, IAU	2019/2020
12	Bachelor (co-supervisor)	Para Assist	CCSIT, IAU	2019/2020
13	Bachelor (co-supervisor)	Documents Categorization Engine (DCE)	CCSIT, IAU	2018/2019
14	Bachelor (co-supervisor)	Baseera Educational System	CCSIT, IAU	2018/2019
15	Bachelor (co-supervisor)	Abjad Application	CCSIT, IAU	2017/2018

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date



Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	2016	2017	Head of CCSIT Training Courses	CCSIT, IAU
2	2013	2016	Head of Academic Advising Unit	CCSIT, IAU
3	2006	2009	Head of CS Department Schedules Committee	Dammam Science College for Girls, IAU

Committee Membership

#	From	To	Position	Organization
1	2025	Present	Strategic & Planning Unit	CCSIT, IAU
2	2023	Present	CS Quality Unit	CCSIT, IAU
3	2022	2024	CS Curriculum Committee	CCSIT, IAU
4	2020	2022	Postgraduate Studies Unit	CCSIT, IAU
5	2020	2022	Students Competitions Unit	CCSIT, IAU
6	2020	2022	Quality Assessment & Exams Unit	CCSIT, IAU
7	2018	2020	AI Set-up Committee (member)	CCSIT, IAU
8	2017	2020	COOP Training Unit (member)	CCSIT, IAU
9	2017	2020	Public Relation and Annual Report Unit (member)	CCSIT, IAU
10	2017	2018	Alumni and Career Planning Unit (member)	CCSIT, IAU
11	2012	2017	Academic Advising Unit (Advisor, Head)	CCSIT, IAU
12	2013	2013	The Scientific Committee of CS Applicants Assessment for TA/Lecturer Positions in IAU	IAU
13	2006	2009	CS Department Schedules (Head)	Dammam Science College for Girls, IAU
14	2006	2009	Academic Advising Unit (Advisor)	Dammam Science College for Girls, IAU
15	2006	2009	CS Department Final Exams	Dammam Science College for Girls, IAU

Scientific Consultations

#	From	To	Institute	Full-time or Part-time



Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2020	2021	Developing a Chatbot with airline services for BeSmart	BeSmart, Saudi Arabia
2	2019	2020	Designing a tool for ARAMCO to detect malicious HTTP communication	Saudi ARAMCO
3	2018	2019	Mobile Apps Olympics	Ministry of Education, Saudi Arabia
4	2019	2019	Design a logo, roll-up and banner for Alkheer Ashal campaign	Community Service Unit, CCSIT, IAU
5	2006	2007	MATLAB Tutorial	Math Department, IAU
6	2008	2008	What you will gain after graduation? (Speaker)	Dammam Science College for Girls, IAU

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Creativity
2	Teaching skills
3	Time management
4	Teamwork
5	Graphic design
6	Problem solving
7	Adaptability
8	Flexibility
9	Critical thinking
10	Leadership
11	Organization
12	Database management
13	Microsoft office
14	Programming languages (e.g. Java, C++, Prolog, Matlab, PHP, Python, Haskell, etc.)

Last Update 18/11/2025