

Ghalib H. Alshammri, PhD

Associate Professor in AI and Emerging Technologies

 galshammri@ksu.edu.sa  +96655250559  Riyadh - King Saud University  Saudi  in/dr-ghalib  GAlshammri_PhD

PERSONAL SKILLS

Leadership	Communication
Self-Motivation	Decision Making
Adaptability	Management Skills

LANGUAGES

Arabic ●●●●●
English ●●●●●

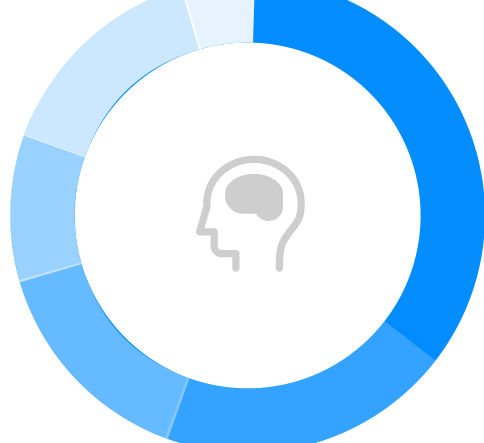
CERTIFICATIONS

- [Certified Quality Practitioner](#)
King Saud University
- [Certified Trainer \(Engineering & Technology Courses\) #8037970980](#)
Technical and Vocational Training Corporation, SA
- [Academic Leadership](#)
Academic Leadership Center in MoE
Cooperating with SACM, Mclean, Virginia
- [Key Performance Indicator \(KPI\) & Benchmarks](#)
King Saud University - Riyadh, SA
- [Quality Practitioner Preparation and Academic Accreditation Program](#)
King Saud University - Riyadh, SA
- [Machine Learning for Data Science & Analytics](#)
Columbia University - USA, NY
- [Nanotechnology for Energy](#)
Portland State University, Portland, Oregon
- [Machine Learning](#)
Stanford University
- [Academic Course Design and Construction](#)
King Saud University, SA
- [Internet of Things \(IoT\)](#)
Stanford University, Stanford, California
- [Quantum Information Science I](#)
Harvard University and MIT
- [DNA Sequences: Alignments and Analysis](#)
University of Maryland
- [Quantum Machine Learning](#)
University of Toronto

AREAS OF EXPERTISE





- Digital Transformation Strategy
- Large Language Models (LLMs)
- AI Process Automation
- Cybersecurity, Data and AI GRC
- Internet of Bio-Nano Things
- Generative AI
- AI Agent and multi-Agent techniques
- ML & Deep Learning App
- Big Data Analytics & Smart Solutions
- Academic Curriculum Development
- Consultation in Governmental & Confidential Projects
- Innovation Leadership & Hackathon Management
- Data-Driven Decision Making & KPI Design
- Training Program Development & Delivery

MY TIME



- Professional Work (35%)
- Personal Development (20%)
- Family Time (15%)
- Planning & Organization (10%)
- Physical & Mental Well-being (15%)
- Leisure & Entertainment (5%)

HOBBIES

-  Travel
-  Exercising
-  Reading
-  Exploring Emerging Technologies

PUBLICATIONS

- [List of Publication](#)
- Google Scholar
<https://ksu.sa/tQUC0>



CV AI CHATTING



STATUS

Expert in Artificial Intelligence, Data Science, LLMs & IoT

WORK EXPERIENCE

- [Associate Professor in AI and Data Science](#)
King Saud University, Riyadh, Saudi Arabia
Sep **2023** - Present -
Associate Professor in Artificial Intelligence and Data Science
- [Associate Professor \(Collaborative\)](#)
Saudi Electronic University, Riyadh, Saudi Arabia
- [Associate Professor \(Collaborative\)](#)
Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia
- [Associate Professor \(Collaborative\)](#)
King Abdullah College for Leadership and Staff, Riyadh, Saudi Arabia
- [Associate Professor \(Trainer\)](#)
Prince Nayef College for National Security, Riyadh, Saudi Arabia
- [Scientific Research Consultant](#)
Saudi Electronic University, Riyadh, Saudi Arabia
Aug **2021** - Jul **2023**
- [Founder and Chairman of the Board Director](#)
Saudi Society for Artificial Intelligence & Intelligent System, Riyadh, Saudi Arabia
May **2023** - Present -
- [Founder and Ex Board Member](#)
Saudi Society for Data Science, Riyadh, Saudi Arabia
Dec **2019** - Dec **2021**
- [Consultant for Ranking Programs](#)
Education & Training Evaluation Commission, Riyadh, Saudi Arabia
- Supervising the Ranking Programs Platform, Surveys & Dashboards.
- Data Management & Governance at Ranking Platform.
- [Designer, Evaluator and Developer of Standardized Test Questions and Exam Models at Qiyas](#)
Education & Training Evaluation Commission, Riyadh, Saudi Arabia
- [IT, AI and Emerging Technologies Consulting](#)
Confidential Government, Riyadh, Saudi Arabia
2021 - Present -
- [Expert in the AI & IoT Community](#)
Innovation Center – Monsha'at, Riyadh, Saudi Arabia
- [Teaching Assistant](#)
Stevens Institute of Technology, ECE Depart., NJ - USA
Mar **2017** - Aug **2020**

EDUCATION

- [Ph.D. Degree in Comp. Eng. \(Artificial Intelligence\)](#)
Stevens Institute of Technology – Electrical and Computer Eng. Depart., NJ - USA
Aug **2014** - May **2019**
Thesis: Artificial Intelligence Techniques for Diffusion-Based Bio-Molecular Nano Communication Networks
Research Area: Molecular Communication Nanonetworks and AI
Under Supervision: Prof. Victor B. Lawrence
Associate Dean of Engineering & Batchelor Chair Professor
- [Master of Computer Science \(Major: Intelligent Systems\)](#)
University of Wollongong, Australia
Feb **2007** - Mar **2008**
- [Bachelor of Education \(Major: Computer Science\)](#)
Teachers' College in Riyadh at King Saud University, Riyadh, Saudi Arabia
Jun **1999** - Jun **2003**
G. P. A. of (4.43) with Second Class Honor; Rank in Class: The First Class









PROFESSIONAL INITIATIVES

- [Founder Saudi Society for Artificial Intelligence and Intelligent Systems](#)
King Saud University
- [Founder Saudi Society for Data Science](#)
King Saud University
- [Designing Three Academic Programs](#)
King Saud University
Cloud Computing, Cybersecurity and Data Science Programs
- [Interdisciplinary Research Hackathon](#)
Saudi Electronic University
The first hackathon dedicated to scientific research and interdisciplinary fields in the Middle East.
- [Founder and Trainer for Data Science & Big Data Bootcamp \(60 Credit Hours\)](#)
King Saud University
- [Founder and Trainer for Business Intelligence Bootcamp \(60 Credit Hours\)](#)
King Saud University
- [Founder and Trainer for Artificial Intelligence and IoT Bootcamp \(60 Credit Hours\)](#)
King Saud University
- [Cybersecurity Governance, Risk Management, and Compliance \(30 Credit Hours\)](#)
King Saud University
- [Data Governance, Risk Manag., & Compliance \(30 Credit Hours\)](#)
King Saud University
- [Designing and delivering a series of technical and engineering training courses](#)
Confidential Government
- [Managing and organizing the "Riyadh Technical 2022" Forum 2022](#)
Technical and Vocational Training Corporation, SA
This event is under the auspices of His Royal Highness Prince Faisal bin Bandar bin Abdulaziz Al Saud, Governor of Riyadh Region.

ACADEMIC COURSES

- [Design and Analysis of Network Systems \(Graduate Course\)](#)
Stevens Institute of Technology - NJ, USA
- [Design & Implement IoT with Clouding System \(Graduate Course\)](#)
Stevens Institute of Technology - NJ, USA
- [AI Techniques & Big Data \(Graduate Course\)](#)
Stevens Institute of Technology - NJ, USA
- [Supervisor and Manage Research Groups for Graduate Students](#)
Stevens Institute of Technology - NJ, USA
- [Computer Programming \(1\) and \(2\)](#)
King Saud University - Riyadh, SA
- [Object Oriented Programming](#)
King Saud University - Riyadh, SA
- [Data Structure](#)
King Saud University - Riyadh, SA
- [Graduation Projects](#)
King Saud University - Riyadh, SA
- [Supervisor for PhD Students](#)
King Saud University - Riyadh, SA

MOST PROUD OF

-  **Physical Organization**
Demonstrated strong leadership and creative thinking in designing and optimizing physical infrastructure layouts. Achieved measurable improvements in effectiveness and productivity by streamlining workflows and maximizing space utilization in high-demand technical environments.
-  **Planning Excellence**
Led multiple strategic initiatives by applying strong analytical skills to identify core issues and develop effective, data-driven solutions. Demonstrated sound decision-making under pressure, with a proven track record in managing complex projects from concept to execution. Excelled in aligning project goals with organizational strategy to drive sustainable impact and operational success.
-  **Team Leadership & Collaboration**
Successfully led cross-functional teams by fostering a culture of trust, shared vision, and open communication. Skilled in setting clear goals, delegating effectively based on team strengths, and driving collective ownership of outcomes. Recognized for motivating teams toward high performance and achieving ambitious objectives through inclusive and strategic leadership.
-  **Speaker at Bell Works, NJ - USA**
- Alshammri, Ghalib, "Achieving Low Un-Coded BER for Nano Molecular Communications", Bell Works, NJ USA, 28 November 2018
-  **Speaker at Honor Global Launch Event**
Alshammri, Ghalib. "The Future of AI", Honor Global Launch Event, Dubai UAE, 16 July 2024
-  **Reviewer - Highest Journals in WoS (Q1)**
Served as a peer reviewer for top-tier journals ranked in the first quartile (Q1) of the Web of Science (WoS), providing critical evaluations to uphold academic and scientific quality in advanced research fields.
-  **Research & Project Grants in many Institutes & Confidential Government**
Secured and led multiple research and project grants across academic institutes and confidential government sectors, focusing on innovation, digital transformation, and emerging technologies.
-  **Confidential Projects**
Working on high-impact, confidential digital transformation and AI initiatives in collaboration with strategic governmental and academic entities. These projects involve sensitive data, advanced technologies, and innovative frameworks aimed at enhancing organizational efficiency, cybersecurity, and data governance.