

Naif Alshammari

+966557703025
alshammari@su.edu.sa

OBJECTIVE

Dedicated academic seeking to enhance teaching, research, and publication skills, while contributing effectively to Shaqra University through high-quality education, impactful research, and administrative responsibilities.

EDUCATION

Lancaster University	Lancaster, UK	2025
• PhD in Computer Science Thesis: Resource Scheduling Strategies to Optimise QoS in Integrated IoT and Fog Computing Environments.		
Gannon University	Erie PA, USA	2017
• MSc in Software Engineering		GPA: 3.67/ 4
University of Hail	Hail, Saudi Arabia	2006 – 2012
• BSc in Software Engineering (Second Class Honors)		GPA: 3.47 / 4

TECHNICAL EXPERIENCE – PROJECTS

- **Assistant Professor, Shaqra University (2025–Present)** :Teaching computing courses within the **Network Systems Administration** and **Data Science** programs.
- **Teaching Assistant, Lancaster University / LUC at BJTU, China — Online (2021):** Java Programming courses.
- **Lecturer, Shaqra University (2017-2020):** Java, Introduction to software engineering, OS, computer skills, Database, Introduction to Artificial Intelligence, computer application, computer graphics and Selected studies in computer science (Android).
- **Geolocation News (2017):** Android app using Java, PHP, MySQL for GPS-based news visualization.
- **CodeViolationReporting (2016):** Android app using SCRUM for reporting municipal code violations.
- **Teaching Assistant, Shaqra University (2013):** Introduction to software engineering, C, computer skills

TECHNICAL SKILLS

Programming: Java, Objective-C, SQL, PHP, HTML, CSS, JavaScript and Flutter.

Tools & IDEs: Android Studio, NetBeans, Eclipse, VS Code, WAMP, MAMP, Postman.

SERVICE & VOLUNTEER WORK

Vice President, Saudi Club - Gannon University	2016
CS Department Schedule Coordinator College of Science and Humanities, Al-Quway'iyah	2018-2020
Professional Training Course in Android Application Development	2019
Workshop on Essential Computer Skills	2019

Educational gaming platform for children with autism -
Autistic Center in Hail (Public school)

2025

Internal Communication & Workflow Management System-
Autistic Center in Hail (Public school)

In Progress

PUBLICATIONS

- [1] Naif Alshammari, Haris Pervaiz, Hasan Ahmed, and Qiang Ni, "Delay and Total Network Usage Optimisation Using GGCN in Fog Computing." in *IEEE 34th Annual International Symposium on Personal, Indoor and Mobile Radio Communications(PIMRC)*, 2023.
- [2] Naif Alshammari, Sukhpal Gill, Haris Pervaiz, Qiang Ni, Hasan Ahmed, "Resource Scheduling in Integrated IoT and Fog Computing Environments: A Taxonomy, Survey and Future Directions." In: *Mukherjee, A., De, D., Buyya, R. (eds) Resource Management in Distributed Systems. Studies in Big Data, vol 151. Springer, Singapore, 2024.*
- [3] Mohil Patel, Sudeep Tanwar, Anish Jindal, Naif Alshammari, Haris Pervaiz, Hasan Ahmed, "A Blockchain-based Predictive Maintenance Scheme for Smart Agriculture" in *17th IEEE/ACM International Conference on Utility and Cloud Computing(UCC)*, Sharjah, UAE, 2024.
- [4] Naif Alshammari, Haris Pervaiz, Hasan Ahmed, and Qiang Ni, "Enhancing QoS in Fog Computing via Enhanced Multilayer Perceptron-Based Multi-Objective Task Scheduling." Submitted to *IEEE Internet of Things Journal*(In Press).