

Salman Abdullah Alsalman

AI Consultant and Academic Professional

Riyadh, Saudi Arabia

- Phone: +966-55-4197956
 - Email: salman.a.alsalman@gmail.com
 - LinkedIn: linkedin.com/in/alsalman-s
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Summary

Experienced AI consultant and lecturer specializing in artificial intelligence, machine learning, and computer vision. Recognized for integrating advanced AI technologies in both academic and consulting environments. Skilled in guiding small businesses and organizations through strategic planning and project management to leverage AI solutions effectively. Committed to empowering students and clients alike in the ever-evolving tech landscape.

Professional Experience

Prince Sattam bin Abdulaziz University

University Lecturer (Full Time)

Nov 2012 – Present

Jan 2020 – Present

- Lead courses in Programming, Data Structures, Algorithms, and Web Applications.
- Contribute to committees, including Accreditation, Student Activities, and Alumni.
- Mentor students in academic projects and research within the Computer Science department.

Teaching Assistant

Nov 2012 – Dec 2019

- Supported course delivery, assisting students with foundational and advanced concepts in computer science.
- Engaged in research collaboration with professors in the Computer Science department.

Tuwaiq Academy

AI Instructor for SDAIA GDP Program (Contractor)

Jan 2024 – Feb 2024

- Conducted sessions on Python programming, neural networks, and large language models.
- Guided students in prompt engineering and neural network projects, preparing them for PCAP certification.

Smartech Company

IT Consultant (Contractor)

Aug 2020 – Jul 2021

- Managed IT projects and advised on strategic decisions, with a focus on app development for healthcare.
- Coordinated communication between developers, designers, and clients to ensure project success.

Elm Company

Software Developer (Intern)

Jul 2011 – Sep 2011

- Analyzed, designed, and developed a new CMS system using J2EE for Elm's Innovation Unit.

IMAMU (College of Computer Science and Information Systems)

Computer Lab Assistant (Part-Time)

Sep 2010 – Aug 2011

- Assisted students with programming problems and offered additional lectures.
- Helped enhance students' programming skills through practical support and guidance.

Saudi Aramco

IT Assistant (Intern)

Jul 2009 – Sep 2009

- Responded to users' IT support requests and provided assistance onsite and remotely.
- Installed IT equipment such as printers, monitors, scanners, network cables, and modems.

Education

Master's Degree in Computer Science

San Diego State University, United States

2016 – 2019

Bachelor's Degree in Computer Science (Second Honors)

Imam Muhammad Bin Saud Islamic University, Saudi Arabia

2006 – 2012

Key Skills

Technical Skills: Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Data Analysis

Soft Skills: Leadership, Small Business Consultation, Strategic Planning, Project Management

Licenses & Certifications

Certified Artificial Intelligence Consultant (CAIC™)

Mar 2025

United States Artificial Intelligence Institute (USAI®)

Credential ID: 8765319297

- Demonstrated expertise in implementing core AI concepts and business applications of AI/ML.
- Covered practical applications including NLP, AI for business and society, and robotics for organizations.
- Trained to manage high-performing analytics teams and lead AI-driven transformation initiatives.

McKinsey Forward Program

Jan 2024 – Apr 2024

Participated in an intensive four-month program focused on future-of-work skills, covering:

- **Structured Problem Solving:** Mastered a hypothesis-led approach to address complex challenges.
 - **Effective Communication:** Enhanced articulation using the EPIC framework.
 - **Digital Fluency:** Built essential digital tool and strategy knowledge.
 - **Strategic Thinking:** Developed skills in synthesizing information and crafting recommendations.
 - **Leadership Mindset:** Embraced growth-oriented self-leadership to inspire others effectively.
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Languages

- **Arabic** (Native/Fluent)
 - **English** (Full Professional Proficiency)
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Publications

Ahmed Biyabani, Salman A. Al-Salman, and Khalid S. Alkhalaf. "Embedded real-time bilingual ALPR." 2015 International Conference on Communications, Signal Processing, and Applications (ICCSPA), Sharjah, 2015.

(DOI: 10.1109/ICCSPA.2015.7081311).

Academic Projects & Research

- **Malaria Cell Detection using Curriculum Learning and Faster R-CNN:** Designed and implemented a deep learning pipeline using **Faster R-CNN** with Detectron2 and **curriculum learning strategies** to detect malaria-infected cells in microscope images.
- **Large-Scale Analysis of Citation Bias:** Developed a **predictive model** assessing citation likelihood based on demographic data.
- **Efficient Liver Disease Prediction:** Built **machine learning classifiers** for liver disease prediction based on patient biomarkers.
- **Predicting Safety Risks from Street View Photos:** Applied image processing techniques to predict crime rates using street view data.