



KANAR AL- SAMMAK

Nationality: Iraqi **Date of birth:** 24/06/1987 **Place of birth:** Karbala, Iraq

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ABOUT ME

I have been awarded a BSc degree from the Department of Computer Science/ College of Science at the University of Karbala/Iraq in 2008/ 2009, also have been awarded an M.Sc.(IS) degree from the Department Of Informatics/ Nizam college at Osmania University/India in 2018/2019, Now I'm completing my Ph.D. degree in Electronics, Telecommunications and Information Technology (ETTI) at POLITEHNICA University of Bucharest in Romania.

WORK EXPERIENCE

Alkafeel Omnnea wireless telecommunications company – Babylon, Iraq

City: Babylon | Country: Iraq

Marketing manager and member of the executive management

[01/10/2009 – 15/07/2017]

Developing marketing plans, studying the market from an economic point of view, following up on the activities of competing companies, proposing new marketing methods to increase productivity, Responsible for customer service centers in Iraq, Responsible for the Call Center Department, Responsible for the Printing and Design Department, Responsible for the Broadband Distribution Department for the Internet, Responsible for About the blacksmiths' department for the preparation of advertising and marketing boards.

The University of Kerbala – Karbala, Iraq

City: Karbala | Country: Iraq

Lecturer and employee

[10/02/2015 – 01/07/2017]

Responsible for the electronic system in the Department of Graduate Studies at the **President** of Kerbala **University**.

Beia Consult International – Bucharest, Romania

City: Bucharest | Country: Romania

Research and development engineer

[08/05/2023 – 12/01/2024]

I have worked as an R&D engineer on some company projects.

EDUCATION AND TRAINING

Bachelor of Computer Science

university of kerbala - Iraq [01/09/2005 – 01/07/2009]

Website: <https://uokerbala.edu.iq/en/> | Thesis: A smart system for managing a computers and electronics store

Master's degree in Science (Information System)

Osmania University - India [01/08/2017 – 01/09/2019]

Website: <https://www.osmania.ac.in/> | Final grade: 8.67 | Thesis: ONLINE BLOOD BANK AND INFORMATION SYSTEM

Ph.D. Student of Electronics, Telecommunications and Information Technology

POLITEHNICA University of Bucharest- Romania [13/01/2021 – Current]

Website: <https://upb.ro/en/> | Thesis: SMART METERING: COMMUNICATIONS TECHNOLOGIES INVOLVED AND SECURITY ISSUES

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

social Media

Social Media / Zoom / Facebook / Analytical skills / Skype / Strategic Planning / Instagram / LinkedIn / Twitter / Gmail / WhatsApp / Google Drive / Google Docs / Outlook

Microsoft Office

Microsoft: Microsoft Word, Microsoft PowerPoint, Microsoft Outlook, Microsoft Teams

Programming

C # Programming, C Programming, Python Programming / C++ / JavaScript / Matlab/Simulink

Other skills

Motivated / Critical thinking / Team-work oriented / Decision-making / Creativity / Reliability / Organizational and planning skills / Good listener and communicator

PUBLICATIONS

[2019]

Practice for Image Processing and Radiomics Through Deep Learning.

AUS (Valdivia) n.25 Valdivia 2019.

[2022]

Communications Systems in Smart Metering: A Concise Systematic Literature review

- [2023]
State of the Art in Drivers' Attention Monitoring e A Systematic Literature Review
- [2021]
Solving Cauchy problems for heat equation using maple
- [2024]
A Comprehensive Assessment of LoRaWAN and NB-IoT Performance Metrics Under Varied Payload Data Sizes
- [2024]
Driver Behavior Assessment with Different ML Models Using EEG and Physiological Data – A Comparative Study
- [2024]
An Experimental Study of Power Consumption in Narrowband IoT Devices
- [2024]
Analyzing Different Models for Driver Behavior Detection Using EEG Data
- [2025]
Optimizing IoT Energy Efficiency: Real-Time Adaptive Algorithms for Smart metering with LoRaWAN and NB-IoT
- [2025]
Introducing a Novel Fast Neighbourhood Component Analysis-Deep Neural Network Model for Enhanced Driver Drowsiness Detection
- [2025]
EffRes-DrowsyNet: A Novel Hybrid Deep Learning Model Combining EfficientNetB0 and ResNet50 for Driver Drowsiness Detection
- [2025]
Optimizing LoRaWAN Gateway Placement in Urban Environments: A Hybrid PSO-DE Algorithm Validated via HTZ Simulations
- [2023]
Integrated solution based on innovative digital technologies for smart ports
- [2025]
An Evaluation of the Functionality of NB-IoT for Smart metering Applications
- [2025]
Comparative Analysis of Logistic Regression and SVM Models for Drowsiness Detection in Drivers

PROJECTS

[01/01/2019 – 29/06/2019]

Online Blood Bank And Information System

Online Blood Bank and Information System" is a web-based system developed using Python, though presents a high-end system to bridge the gap between the blood donors and the people in need of blood.

MANAGEMENT AND LEADERSHIP SKILLS

Manager

Analytical Decision Making, Communication, Delegation, Teamwork, Adaptability, Creative Problem-Solving, Trustworthiness, Tech Savviness.