



## Sama Hussein AL-GBURI

Nationality: Iraqi Date of birth:

Place of birth

Gender: Female Phone number:

Email address:

WhatsApp Messenger:

Facebook: <https://www.facebook.com/sama.7ussein>

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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 Babylon/Iraq in 2011/ 2012, 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 Omnea wireless telecommunication company** – Babylon, Iraq

City: Babylon | Country: Iraq

**Employee at Intelligent Network department**

[ 10/10/2012 – 16/07/2017 ]

**University of Babylon** – Babylon, Iraq

City: Babylon | Country: Iraq

**Lecturer**

[ 26/03/2013 – 26/03/2014 ]

**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 Babylon**

City: Babylon | Country: Iraq | Website: <https://en.uobabylon.edu.iq/> | Thesis: Islamic project about the provisions of the Holy Quran

**Master of Science (Information System)**

**Osmania University** [ 05/08/2017 – 03/09/2019 ]

City: Hyderabad | Country: India | Website: <https://www.osmania.ac.in/> | Final grade: 8.64 | Thesis: BOOK INFORMATION AND REPOSITORY MANAGEMENT SYSTEM

## **Ph.D in Electronics engineering, Telecommunications and Information Technology**

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

City: Bucharest | Country: Romania | Website: <https://upb.ro/> | Thesis: CONTRIBUTIONS TO DRIVERS ATTENTION MONITORING BY USING A BODY AREA NETWORK AND IMAGE PROCESSING

### **LANGUAGE SKILLS**

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**Mother tongue(s):** Arabic

**Other language(s):**

**English**

**LISTENING C2 READING C2 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

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

### **SKILLS**

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Microsoft (Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Microsoft Outlook) / Social Media (Instagram, Facebook, Instagram, Skype, LinkedIn) / Messaging (Outlook, Whatsup, Gmail, etc.)

#### **Programming**

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

### **PUBLICATIONS**

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[2025]

**EffRes-DrowsyNet: A Novel Hybrid Deep Learning Model Combining EfficientNetB0 and ResNet50 for Driver Drowsiness Detection**

[2025]

**Introducing a Novel Fast Neighbourhood Component Analysis-Deep Neural Network Model for Enhanced Driver Drowsiness Detection**

[2025]

**Optimizing IoT Energy Efficiency: Real-Time Adaptive Algorithms for Smart Meters with LoRaWAN and NB-IoT**

[2025]

**Optimizing LoRaWAN Gateway Placement in Urban Environments: A Hybrid PSO-DE Algorithm Validated via HTZ Simulations**

[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**

[2024]

**Driver Behavior Assessment with Different ML Models Using EEG and Physiological Data-A Comparative Study**

[2024]

**A Comprehensive Assessment of LoRaWAN and NB-IoT Performance Metrics Under Varied Payload Data Sizes**

[2024]

**Analyzing Different Models for Driver Behavior Detection Using EEG Data**

[2024]

**An Experimental Study of Power Consumption in Narrowband IoT Devices**

[2023]

**State of the Art in Drivers' Attention Monitoring e A Systematic Literature Review**

[2023]

**Integrated solution based on innovative digital technologies for smart ports**

[2022]

**Communications Systems in Smart Metering: A Concise Systematic Literature review**

[2021]

**Solving Cauchy problems for heat equation using maple**

[2019]

**Methodologies of Artificial Intelligence in Biomedical image Processing and Its Uses**