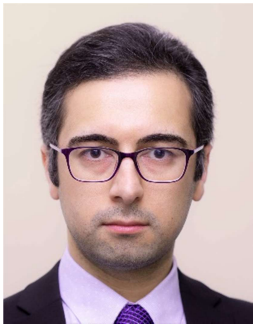
Manuscripts:
ACEMP-OPTIM25-000027
Brain Tumour Segmentation in MRI Scans using Enhanced 3D U-Net Model

ACEMP-OPTIM25-000036
A Deep Learning Approach to Early Detection and Prediction of Thyroid Disease

Presenting Author:
Mahdi Maktab Dar Oghaz

IEEE Bio:



Dr. Mahdi Maktab Dar Oghaz is a Senior Lecturer at Anglia Ruskin University, with over 15 years of research experience in AI, computer vision, and IoT applications in healthcare and sustainability. He has authored over 35 articles in esteemed journals and conferences within these domains, has reviewed numerous articles for relevant scientific journals, and chaired and organised several national and international conferences and workshops. Dr. Mahdi Maktab Dar Oghaz began his career as a postdoctoral researcher at the University of Technology Malaysia (UTM), contributing to a research project sponsored by Cyber Security Malaysia and the Ministry of Higher Education Malaysia. This project aimed to enhance safety and security in cyberspace through AI and machine learning techniques. He then joined Kingston University London's ROVIT research team to participate in the H2020 MONICA project, which leveraged computer vision and AI for real-time video analytics to enhance crowd safety and security in large-scale outdoor events. In 2019, he advanced his career to Senior Lecturer at the School of Computing and Information Science, Anglia Ruskin University. Throughout his research journey, Dr. Mahdi Maktab Dar has successfully published numerous articles in various international journals and conferences and secured a number of QR research funds, on AI applications in healthcare and sustainability. His expertise extends to the integration of computer vision, Large Language Models (LLMs) with IoT and edge computing, with over a decade of experience in deploying AI-powered vision systems on IoT devices for real-time monitoring and decision-making. His research focuses on developing intelligent, low-latency visual analytics solutions for smart healthcare, environmental monitoring applications.