

Kassem Anis Bouali, M.Sc.

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📅 Date of Birth : 28/02/2002

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Education

- 2024 – 2028 📖 **PhD., Charles University** in Computer Science. .
- Topic : Machine learning and Vision in Medical Imaging
- 2022 – 2024 📖 **MSc., University of Debrecen** in Computer Science. .
- Participant in Talent UD program for non-PhD students conducting supervised research at the university. .
- On the top 10% of all students of the MSc program. .
- Gained hands-on experience in research, data analysis, and presenting findings. - 2nd prize TDK winner (Local Hungarian Student Circle Conference)
- 2019 – 2022 📖 **BSc., University of Khenchela** in Computer Science.
- Designed an ECG dashboarding system using ESP32, ECG sensors, and web technologies such as MySQL, JavaScript, PHP, HTML, and CSS as a final project. .
- Actively participated in various scientific workshops and competitions, honing my problem-solving and collaboration skills and preparing me for real-world challenges.

Research Publications

Conference Proceedings

- 1 K. A. Bouali and A. Hajdu, “Real-time birds shadow detection for autonomous uavs,” in *Artificial Intelligence: Towards Sustainable Intelligence*, S. Tiwari, F. Ortiz-Rodríguez, S. Mishra, E. Vakaj, and K. Kotecha, Eds., Cham: Springer Nature Switzerland, 2023, pp. 169–177, ISBN: 978-3-031-47997-7.

Employment History

- 09/2023 – 06/2024 📖 **Lecturer**, University of Debrecen.
- Delivering the *Foundation of AI Course* [INBPA0418-21] to GXUFE students, as part of my role at the University of Debrecen, in collaboration with Guangxi University of Finance and Economics.
- Delivering the *Big Data Analysis Course* [INBGA9935-17] to GXUFE students, as part of my role at the University of Debrecen, in collaboration with Guangxi University of Finance and Economics.
- 12/2023 – 12/2023 📖 **Visiting Lecturer**, Guangxi University of Finance and Economics, China.
- Finalizing the *Big Data Analysis Course* [INBGA9935-17] to GXUFE students, Giving lectures about the subject and doing the final examination
- 06/2023 – 10/2023 📖 **Information Security Intern.** at Contemporary Amperex Technology Co., Limited in Hungary.
- Contributed to security awareness training and policy enhancements. .
- Assisted with security assessments, incident analysis, and vulnerability scans. .

Skills

Languages 📖 English : Cambridge CAE | French : DELF B2 | Hungarian : A1 | Tamazight : Native

Skills (continued)

Coding	📌	Java, PHP, Python, R, Matlab, SML SQL, XML/XSL, \LaTeX , ...
Databases	📌	MySQL, MongoDB.
Cyber Security	📌	METASPLOIT, NMAP, WIRESHARK, Aircrack-ng, Hashcat.
Machine Learning	📌	TENSORFLOW, PYTORCH, SKLEARN, MLAGENTS.
Simulation	📌	C# Sharp, C++, Unity, Matlab.
Misc.	📌	Academic research, teaching, training, consultation, \LaTeX typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

- 2022 📌 **Stipendium Hungaricum Scholarship**, Fully-funded Scholarship to pursue a MSc. in Computer Science at the University of Debrecen, Hungary.
- 2023 📌 **TDK 2nd-Place Prize**, Got the second place prize at the local Scientific Student Circle Conference (TDK) and got nominated for the National conference (OTDK)

Certification

- 2024 📌 **Generative AI with Diffusion Models**. Awarded by NVIDIA Deep Learning Institute.
- Credential ID: b-UAIC3nQoWNQawH2qkQQ
- 📌 **IT Specialist - Python**. Awarded by Certiport.
- 📌 **Microsoft Certificate SC-900 "Microsoft Security, Compliance, and Identity Fundamentals"** by Microsoft.
- 2023 📌 **Fundamentals of Accelerated Data Science**. Awarded by NVIDIA Deep Learning Institute.
- Credential ID: 6543a81c07084b22bc4b3d02fb6b6293
- 📌 **Microsoft Certificate AI-900: Azure AI Fundamentals**. Awarded by Microsoft.
- 📌 **AI Train-the-trainer**. Awarded by SCADEMY Human-AI Symbiosis Academy. .
- Credential ID: o46784
- 📌 **IT Specialist - JavaScript**. Awarded by Certiport.
- 📌 **IT Specialist - Cybersecurity**. Awarded by Certiport.
- 📌 **Cisco Certified Support Technician Cybersecurity**. Awarded by Cisco.