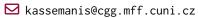
Kassem Anis Bouali, M.Sc.



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Education

2024 -

PhD., Charles University in Computer Science. .

- Topic: Deep learning in medical image processing.

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) "This work will be presented in the National round (OTDK) in spring 2025."
- Dean's Appreciation prize

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



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

10/2024 -

Academic Assistant and Instructor, Charles University.

- Delivering the *Machine Learning in Computer Vision* [NPGRo35] to CS bachelor's students

Lecturer, University of Debrecen/GXUFE.

- 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.

09/2023 - 06/2024

Lecturer, University of Debrecen.

- Delivering the *Foundation of AI Course* [INBPAo418-21] 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.

Employment History (continued)

12/2023 - 12/2023

- **Visiting Lecturer,** Guangxi University of Finance and Economics, China.
 - Finilazing 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 | Thamazight: Native

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 Sharp, C++, Unity, Matlab.

Misc. Academic research, teaching, training, consultation, LaTeX typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

- Dean's Appreciation Award, Honored with the Dean's Appreciation Award at the University of Debrecen for academic excellence and contributions to the university community.
- 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)
- Stipendium Hungaricum Scholarship, Fully-funded Scholarship to pursue a MSc. in Computer Science at the University of Debrecen, Hungary.

Certification

Generative AI with Diffusion Models. Awarded by NVIDIA Deep Learning Institute.

- Credential ID: b-UAIC3nQoWNQawH2qk $_QQ$
- **IT Specialist Python**. Awarded by Certiport.
- Microsoft Certificate SC-900 "Microsoft Security, Compliance, and Identity Fundamentals by Microsoft.
- Fundamentals of Accelerated Data Science. Awarded by NVIDIA Deep Learning Institute.
 Credential ID: 6543a81co7o84b22bc4b3do2fbeb6293
 - Microsoft Certificate AI-900: Azure AI Fundamentals. Awarded by Microsoft.
 - AI Train-the-trainer. Awarded by SCADEMY Human-AI Symbiosis Academy. .
 - Credential ID: 046784

Miscellaneous Experience (continued)

- **▼ IT Specialist JavaScript**. Awarded by Certiport.
- IT Specialist Cybersecurity. Awarded by Certiport.
- Cisco Certified Support Technician Cybersecurity. Awarded by Cisco.