

Safa Mahouachi

University Lecturer and PhD Researcher

Email: mahouachi.safa@gmail.com

Phone: +216 50 891 694

LinkedIn: [safa-mahouachi-4b3a9b27](https://www.linkedin.com/in/safa-mahouachi-4b3a9b27)

ResearchGate: researchgate.net/profile/Safa-Mahouachi

Address: La corniche, Bizerte, Tunisia



Profile

Dedicated university teacher with a solid academic background in software engineering, Java programming, and educational technologies. Currently conducting PhD research in artificial intelligence and evolutionary learning for multi-output regression problems. Recognized for her academic contributions and her active involvement in organizing educational events, mentoring students and supporting their career development, and leading institutional development initiatives.

Education

PhD in Computer Science (Ongoing)

University of Tunis, Higher Institute of Management of Tunis, Tunisia

2022 – Present

Research Focus: Bi-level optimization, evolutionary machine learning, evolutionary computation, and their applications

Engineering Degree in Computer Science and Telecommunications

University of Sousse, IsitCom-Sousse, Tunisia,

Graduated: 2011

Bachelor of Science in Software Engineering and Programming

University of Carthage, FS-Bizerte, Tunisia

Graduated: 2008

Diploma of Electronics and Informatics (DEUPC)

University of Carthage, FS-Bizerte, Tunisia

2004 – 2006

Teaching Experience

Lecturer in Computer Science

Higher Institute of Technological Studies of Bizerte, Tunisia

2023 – Present

Courses Taught: Object-Oriented Programming using Java, Big Data, Python, Algorithms

Lecturer in Computer Science

Higher Institute of Technological Studies of Kelibia, Tunisia

2013 – 2023

Courses Taught: Object-Oriented Programming using Java, Cisco Cybersecurity Operations, Computer Networks, C Programming

University Teacher in Computer Science

Private Higher Institute of Engineering and Technology of Tunis, Tunisia

2019 – 2022

Courses Taught: Object-Oriented Programming using Java

University Teacher in Computer Science

Faculty of Economic and Management Sciences of Nabeul, Tunisia

2011 – 2015

Courses Taught: C Programming, Logical Systems, Algorithms

Research and Publications

- S. Mahouachi, M. Elarbi, and S. Bechikh. “Bi-level Evolutionary Model Tree Chain Induction for Multi-output Regression”. In: Neurocomputing (2025). doi: 10.1016/j.neucom.2025.130280
- S. Mahouachi, M. Elarbi, K. Sethom, S. Bechikh, and C. A. C. Coello. “A Bi-Level Evolutionary Model Tree Induction Approach for Regression”. In: 2024 IEEE Congress on Evolutionary Computation (CEC). 2024, pp. 1–9. doi: 10.1109/CEC60901.2024.10611959

Other Professional Experience

Project Manager

Higher Institute of Technological Studies of Kelibia, Ministry of Higher Education, Tunisia
2020 – 2023

Managed government-funded institutional development projects, including acquisition of equipment and modernization of IT infrastructure for the Higher Institute of Technological Studies of Kelibia

Career Advisor

Career Center, Higher Institute of Technological Studies of Kelibia, Tunisia
2015 – 2023

Assisted students in preparing for the labor market: CV workshops, mock interviews, job fairs. Built partnerships with industry stakeholders.

Academic Supervisor and Instructor

Assisting student projects and supervising internships.

Event Organizer

Organized scientific days, tech meetups, training workshops, and inter-institutional competitions.

Software Engineer

Medic-IS Tunis, Tunisia
2012 – 2013

Java Programming and Software Engineering.

Certifications

- Test Of English for International Communication (TOEIC - C1 level)
- Oracle Certified Professional Java Programmer (OCPJP 6)
- Microsoft Technology Associate (MTA): Software Development Fundamentals, Introduction to Programming Using Java
- Microsoft Certified in Educational Innovation and Teaching with Technology (MCE)
- Microsoft Office Specialist (MOS): Word 2016, PowerPoint 2016
- ICDL
- Tamheed Career Advisor

Technical Skills

- Programming: Java, Python, C/C++
- Web Technologies: HTML, CSS, JavaScript
- Databases: MySQL, Oracle Database
- Platforms: Windows, Linux

Languages

- Arabic: Native
- French: Fluent
- English: Advanced