Ilyes Bendaikha

Lgt 16-BT G 03 Cité des 100 logements Khalfaoui, cité Ennasr, Ouargla, Algeria, 30022

+213 (655) 46-57-89 | ibendaikha9@gmail.com | ilyes.bendaikha@univ-constantine2.dz | Ilyes4CODE | ilyes-bendaikha

Education

University Constantine 2, Abdelhamid Mehri   *Constantine, Algeria*
MASTERS' IN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE   *2024 - Present*

University of Kasdi Merbah (UKMO)   *Ouargla, Algeria*
BACHELOR OF COMPUTER SCIENCE   *2021 - 2024*
- Thesis title: "Dalti: A Framework for Queuing Management System"
- Supervisor: Dr. Khadra Bouanane
- Thesis grade: 19.5/20 (Excellent)
- Acquired Skills:
  - Thesis:
    * Formalization, Design, and Development of Real-Time Queuing Systems,
    * Software Engineering,
    * Database Design and Management,
    * Full Stack Web Development,
    * Mobile Application Development,
    * Unified Modeling Language (UML),
    * Entrepreneurial Experience (Startup),
    * Problem Solving,
    * Critical Thinking.
  - Curriculum:
    * Foundations of Computer Science,
    * Mathematics for Computer Science,
    * Computer General Purpose Programming,
    * Algorithm Design and Analysis,
    * Computer Operating Systems,
    * Computer Networks and Security,
    * Software Engineering,
    * Database Design and Management.

Internship Experience

Sonatrach · IT Intern (2022)
- Contributed to the maintenance and troubleshooting of IT systems.
- Managed and optimized data using database systems.
- Supported network setup, monitoring, and issue resolution.
- Assisted in system updates and software installations in collaboration with teams.

Setram · IT Intern (2022)
- Maintained IT system operations and conducted routine troubleshooting.
- Assisted with software installations and system upgrades.
- Worked collaboratively on IT infrastructure maintenance.

Technical Skills and Expertise

Libraries and Tools	Requests (Expert), Django (Expert), Django Channels (Expert), JavaFX (Expert), WebSocket (Expert), PyQt (Expert), scikit-learn (Proficient), NumPy (Proficient), Matplotlib (Proficient), Pandas (Proficient)
Programming	Python (Expert), JavaScript (Expert), Java (Proficient), C (Competent)
Databases	SQL (Expert), MySQL (Expert), PostgreSQL (Expert), MongoDB (Expert), SQLite (Expert), Oracle (Competent)
Back-end	Django (Expert), REST API (Expert)
Front-end	HTML5 (Expert), CSS3 (Expert), JavaScript (Expert)
Operating Systems	Microsoft Windows (Expert), Linux-based Operating Systems (Expert), Android (Expert), iOS (Proficient)
Miscellaneous	LaTeX (Expert), Jupyter (Expert), Kaggle (Expert), Google Colab (Expert), Shells (Bash, PowerShell, etc) (Expert), Adobe Photoshop (Expert), Adobe Illustrator (Expert), Adobe Premiere (Expert), Adobe After Effects (Expert), MS Word (Expert), MS Excel (Expert), MS PowerPoint (Expert)

Projects

Design and Development of a Library Management System

Design and Development of a Marketplace System

Design and Development of a Travel Agency Management System

Full Stack Design and Development of a Sports Registration Platform

Design and development of a custom Enterprise Resource Planning (ERP) system to streamline financial and project management processes.

Competitions & Challenges

Ranking: 3rd /50
Oran, Algeria

TELEHACK HACKATHON
2024

Hackathon Fields:

- Telecommunication: Proposed a solution to optimize Algeria Telecom's internet infrastructure, focusing on network load balancing and service quality improvement.
- Web Development: Built a user-friendly web application that facilitates direct communication between Algeria Telecom and its customers, enabling efficient issue tracking and resolution.
- Cybersecurity (CTF): Identified vulnerabilities in a simulated web environment, applied cryptographic techniques to uncover hidden flags, and strengthened our understanding of ethical hacking.

Ranking : 3rd /25
Tlemcen, Algeria

HACKFEST HACKATHON
2024

Hackathon Fields:

- Arduino: We built an intelligent parking system with automatic vehicle detection, aiming to optimize parking space usage and enhance efficiency.
- Web Development: Developed a web and Android application for university students to facilitate interaction with university management. The platform allows students to publish and access lessons, as well as create and join chat groups.
- Cybersecurity (CTF): The challenge involved finding 10 flags in a Linux machine using exploitation techniques in Kali Linux. We successfully found 9 out of 10 flags.

Soft Skills Certification
Ouargla, Algeria

WORLD LEARNING ALGERIA
2022

This certification program focused on the development of essential soft skills, including effective communication, teamwork, problem-solving, and leadership. Participants engaged in interactive workshops and practical exercises designed to enhance adaptability, emotional intelligence, and professional growth. The program also emphasized critical thinking, conflict resolution, and time management, equipping participants with the necessary skills to thrive in both academic and professional environments.

General Skills, Hobbies, and Interests

Languages	Arabic (Fluent), English (Proficient), French (Competent)
Computing	Computer programming, Scripting, Graphic design, Audio design, Video design
Art and Entertainment	Drawing, Music, Gaming
Challenging	Solving puzzles and challenges
Voluntary	Internet non-profit and open source collaboration, Tech Team Management

Extracurricular Activity

Club de Nouvelles Technologies d'Information et Communication (CNTIC)
CNTIC LinkedIn Page

CLUB LEADER
2022 - 2024

- Led multiple scientific and tech-driven events over two years.
- Managed and coordinated teams in national programming Hackathons, securing two national wins.
- Fostered innovation and teamwork within the club, driving success in various initiatives.