Ismail Lebbar

Student

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Profile

As a computer science student specializing in Artificial Intelligence, I bring a strong foundation in software development, excellent communication skills, and a track record of effective collaboration. I am dedicated to leveraging my technical expertise and passion for AI to add value and drive innovation within dynamic, forward-thinking teams.

Education

Al Akhawayn University

Bachelor in Computer Science specializing in AI, Minor in Business Administration

09/2021 – present | Ifrane, Morocco

Since my first day at Al Akhawayn University, the institution has provided a transformative experience, allowing me to enrich my knowledge and develop my skills day by day.

Monroe University

Exchange Semester in Computer Information Systems

01/2024 – 04/2024 | New York, United States

This exchange semester at Monroe University has been a formative experience both personally and professionally. I have gained in-depth knowledge in Computer Science especially in Cybersecurity and Networks and enhanced my intercultural skills by immersing myself in a dynamic, multicultural environment. I ended the semester by having a perfect 4.0 GPA.

Skills

Python/ Java/ SQL/ HTML/ ReactJS

Teamwork/ Collaboration

Determination, Communication

Machine Learning, Natural Language Processing

Language Skills

English ● ● ● ● ●

French ● ● ● ● ●

Arabic ● ● ● ● ●

Work Experience

A314LAB
Intern

04/2024 – 06/2024 | Rabat, Morocco

• Worked remotely from Liège, Belgium, contributing to various stages of game development
• Assisted in analyzing client needs, game design, prototyping, and development
• Focused on performance optimization and creating 3D designs

RMS Maroc
Intern

06/2024 – 07/2024 | Rabat, Morocco

• Gained practical experience in time management and access control systems
• Assisted in system configuration, installation, and user training alongside the technical team
• Strengthened knowledge in IT project management and enhanced technical skills through hands-on involvement
• Gained proficiency in advanced solutions such as Prime WebTime and Prime WebAccess

Projects

15-Puzzle Solver with Search Heuristics
09/2024

Developed and implemented multiple search heuristics for the 15-puzzle game. Optimized the code to solve the puzzle using admissible heuristics and compared their performance based on solution depth, expanded nodes, and execution time. Automated testing with randomly generated initial states and conducted an overall comparison with BFS, DFS, and other strategies to identify the most efficient search method.

Planning Problem Solving with PDDL
10/2024

Defined and solved planning problems using PDDL and PDDL4J. Implemented solutions for the blocksworld, 4x4 puzzle, and robot docking scenarios by creating domain and problem files. Compared different planning methods for efficiency and problem-solving capabilities.

Image Classification with Convolutional Neural Networks
11/2024

Designed and implemented a Computer Vision application for image classification using Machine Learning techniques. Built and trained a CNN using Keras on the CIFAR-10 dataset, achieving high classification accuracy. Experimented with various hyperparameters and network architectures to optimize performance. Validated the model with a confusion matrix, showcasing accurate detection rates across multiple image classes.