



HAMNACHE Krim Belkacem

Information Systems Engineer

Summary

Recent graduate holding a Master's degree in Information Systems Engineering. Passionate about technology and equipped with substantial experience in software engineering. Seeking stimulating opportunities to apply my skills and knowledge to innovative projects.

Professional Experience :

Software Engineer

Dec 2023 – Present

Actively contributed as a team member in developing a robust lending services platform within a banking framework.

Projects and Achievements :

Feb 2023 to July 2023 :Designed and developed a Marketplace application for the restaurant industry (Final Year Project).

Functionalities:

Menu and dish publication, notifications, reservations, subscription management.

Technologies used: MERN stack.,mongodb

Sept 2022 to Dec 2022: Developed a Video Collaboration Platform (similar to Zoom).

Functionalities: Instant messaging, video calls, screen sharing.

Technologies used: JavaScript, Node.js, Express, React.js, WebRTC, Socket.io, HTML5, CSS3,mongodB.

Sept 2022 to Dec 2022: Implementation of a Decision Tree: CART algorithm.

Implemented a decision tree using the following technologies: Python, Matplotlib, Pandas, NumPy. The objective was to predict if a patient is diabetic or not based on different attributes (2 output classes: Yes or No).

Sept 2022 to Dec 2022: Developed an information retrieval system.

Implemented a mini search engine in Python inspired by the probabilistic language model. It evaluates the relevance of all documents in a database concerning a query and ranks them from most to least relevant."

March 2022 to April 2022: Developed and implemented a student management application within an institution.

Engaged in programming and unit testing in an integrated programming environment (Java, Swing).

Contact :

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Algeria

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Languages:

English

French

Arabic

Kabyle

Skills:

Team player

Effective communication

Problem-solving

Adaptability

Analytical thinking

Time management

Creativity

Interests:

Hiking

Sports (Weightlifting)

Photography

Education :

2020-2023 Master's in Information Systems Engineering, **Mouloud Mammeri University**

2017-2020 Bachelor's in Computer Science, **Mouloud Mammeri University**

Virtual Internships:

British Airways, Data Science Post Simulation at Forage

October 2023 – November 2023

Utilized Python for machine learning, data manipulation, web scraping, and data visualization.

Developed skills in PowerPoint presentations.

Lyft, Back-End Engineering Post Simulation at Forage

November 2023

Applied Test-Driven Development (TDD), UML, Python, software architecture, unit testing, and code refactoring.

Certifications :

Basics of Python - UniAthena

BASICS OF DATA VISUALIZATION USING PYTHON - UniAthena

Basics of Data Science - UniAthena

Database Development Life Cycle - The Open University

Models and Modelling - The Open University

English: Skills for Learning - The Open University