

Hasna Amarmach

Software Engineering Student

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As a passionate software engineering student, I am deeply enthusiastic about technology and innovation. With a strong foundation in Java and Object-Oriented Programming (OOP), and web development, alongside my initial exploration into data analysis.

I am driven by a strong sense of responsibility, problem-solving skills, and an insatiable thirst for knowledge and challenges. This drive fuels my fervent desire for professional growth and hands-on experience in the field.



Professional Skills

Web Development

- Front-end Development : Design and craft responsive user interfaces for websites, ensuring seamless interaction and intuitive navigation.
- Backend Development : Engineer robust server-side functionality, optimizing performance and security to power dynamic web applications and enhance user experiences.
- Software Analysis and Design : Familiarity with planning and designing software systems.

Database Analysis and Design with UML

- Skilled in analyzing and designing databases to meet project requirements, utilizing Unified Modeling Language (UML) for visualizing and communicating system designs.
- Experienced in translating business needs into comprehensive data models and diagrams.

Data Analysis

- Familiar with data manipulation and analysis tools.
- Knowledge of basic statistical concepts and methods.
- Building problem-solving skills and attention to detail while working with datasets.

Projects

Dental Clinic Desktop Application - Java

- Developed a Java desktop application for dental clinic management.
- Utilized JavaFX for the user interface and JDBC for database connectivity.

Management System Websites & Console Applications

- Designed and developed a robust management system with web and console interfaces, enabling users to perform CRUDS operations (Create, Read, Update, Delete, Search) on data.

Diverse Basic Projects

- Personal Portfolio
- Games : Tic Tac Toe with AI opponent
- Tools : QR Code Generator ...
- Data Analysis : Working with Datasets

Activities

- Moderator of NetCode Community
- Document Creator - School Club

Education

• **1st Engineering Cycle - Computer Science**
2024/2023

• **Baccalaureate-Physical science**
2021/2020

Courses

- Object-Oriented Programming
- Java & C/C++
- Data Structures & Algorithms
- Front End & Back End Web Development
- Database & SQL
- Data Analyst
- Functional Specification Document Formulation

Coding Skills

- Problem Solving
- Git & Github
- Java, C/C++
- Python
- HTML, CSS, JS & PHP
- React, Laravel
- SQL, R
- LaTeX

Soft Skills

- Problem Solving
- Critical & Analytical Thinking
- Openness to Learn
- Bias for action
- Teamwork & Leadership

Languages :

- English , French , Arabic