



# HASAN KHADOUR

Software Engineer

AI & ML

Web Development

## Contact

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## Education

2020 - 2025 (Expected)

### Bachelor's Degree

Software Engineering & AI  
HIAST

## Certifications

### Software Design & Architecture

University of Alberta @Coursera  
2025

### Machine Learning

DeepLearning.AI @Coursera  
2023

### Meta Frontend Developer

Meta @Coursera 2023

## Skills

- Programming Languages and Algorithms
- Software Design & Architecture
- Web Application Development
- Communication & Collaboration
- Problem-Solving & DSA
- Analytical Skills

## Language

- English
- France

## About Me

Software Engineer with two year of experience in AI, Web Development and Software Architecture. Passionate about designing and developing scalable software solutions while leveraging the latest advancements in AI. Skilled in both backend and frontend development, problem-solving, and software architecture.

## Experience

### Freelance & Open Source Contribution

2024 - present

#### Backend Development

- Designed and implemented a Clean Architecture and Domain-Driven Design solutions in ASP .Net Core for scalable and maintainable applications.
- Applied design patterns and SOLID principles to improve software modularity and flexibility.
- Built scalable web applications using the MVC and Three-Layer architectures with ASP .NET Core.

2023 - present

#### Frontend Development

- Developed modular React.js and Angular applications, enhancing scalability and maintainability.
- Delivered modular and well-structured UI components, ensuring seamless integration and maintainability.

2024 - present

#### Machine Learning | NLP & CV

- Built machine learning models employing both supervised and unsupervised techniques.
- Implemented NLP processes and embedding techniques for advanced text analysis.
- Applied NLP with neural networks for sentiment analysis and mental health detection using social media data.

## Projects

### Project Management and Tracking at HIAST

- Designed and developed a web-based project tracking system with a Domain-Driven Design (DDD) backend using ASP.NET Core, Angular.
- Implemented a modular front-end architecture for flexibility and reusability.