

Kayan Abdelbaki

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About Me

Highly motivated **Computer Science** student with a strong foundation in **full-stack development** and a keen interest in **machine Learning**. Seeking challenging software development opportunities to apply technical skills and contribute to impactful projects.

Education

B.S. University of Balamand, Computer Science

Koura, Lebanon

Aug 2022 – May 2025

- GPA: 3.6/4.0
- Dean's Honor List

Experience

United Company of Cooperation and Development, Software Development Intern

Baakleen, Lebanon

June 2023 – Sept 2023

- Contributed to the development of an internal accounting system to streamline financial processes.
- Assisted in implementing features for transaction management and financial reporting.

Freelance, Frontend Developer

Remote

June 2024 – July 2024

- Designed and developed a portfolio website for a graphic designer using React.js and Tailwind CSS.
- Delivered a fully responsive and visually appealing site optimized for all devices.

Lelabodigital, Full Stack Engineer

Beirut, Lebanon

June 2025 – Aug 2025

- Contributed to the development of a website using Next.js

PickyPal, AI Developer Intern

Paris, France

July 2025 – present

- Aided in the development of an AI Chatbot that helps Shopify users navigate the store's products.
- Developed a benchmark to test different models and choose the best from them
- Implemented a multi-agent workflow using a parallelized approach to reduce response time

Projects

Brain Tumor Detection [🔗](#)

Feb 2025 – May 2025

- Preprocessed and augmented over 3,000 MRI images
- Built and tuned a custom CNN model for high-accuracy classification
- Visualized performance using confusion matrices and precision/recall metrics
- Integrated early stopping and learning rate schedulers to optimize training

Gamified Fitness App [🔗](#)

Mar 2025

- Built a fitness tracking app with AI integration using NestJS (backend) and ReactJS (frontend).
- Implemented a virtual pet that evolves based on user activity.
- Integrated OpenAI's API for intelligent chatbot support.

Super Mario Game Live Demo [🔗](#) | [Source Code](#) [🔗](#)

Oct 2024

- Developed a fully functional Super Mario game from scratch in JavaScript.
- Applied Object-Oriented Programming (OOP) principles for cleaner architecture and better performance.

Skills

Machine Learning: PyTorch, TensorFlow, Keras, Kaggle, HuggingFace

Frontend: React.js, Tailwind CSS, Next.js

Backend: NestJS, Express & Node.js

Programming Languages: Java, C++, Python, PostgreSQL, TypeScript

Mathematics: Strong foundation in calculus, linear algebra, statistics, and probability

Languages

Arabic: Native

English: Fluent

French: Intermediate