

MHAMMAD IBRAHIM

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Aspiring Full-Stack Developer & AI Engineer | Web Applications, APIs, and Intelligent Solutions

Aspiring Full-Stack Developer & AI Enthusiast with hands-on experience in **Laravel, Python, Next.js, NestJS** building scalable web applications and APIs. Strong background in **Artificial Intelligence**, specializing in **machine learning, deep learning, NLP, and computer vision**, enabling the development of innovative, data-driven solutions. Experienced in integrating AI/ML models with web applications and developing RESTful APIs.

WORK EXPERIENCE

NavyBits 05/2025 – 07/2025
FULL-STACK • Internship Tripoli

- Developed **full-stack features** for web applications using **Laravel, Next.js, NestJS** and integrated **frontend and backend components**, improving system functionality.
- Optimized debugging and testing processes, reducing **bug resolution time by 30%** and improving application performance

Forward Mena 07/2024 – 10/2024
Machine Learning Engineer • Internship Remote

- **Engineered machine learning models** that improved prediction accuracy by **15%** on structured and unstructured datasets, enabling more reliable decision-making.
- **Expanded business intelligence dashboards** in Power BI and SQL, leading to a **25% faster reporting process** with real-time ML insights.
- **Applied data preprocessing and feature engineering** techniques that reduced noise in datasets and increased model performance scores.

Eurisko 07/2024 – 09/2024
AI Engineer • Internship Beirut

- **Enhanced ML and DL models** in computer vision and NLP, achieving **10–20% faster data processing** during testing phases.
- **Converted large datasets into actionable insights**, supporting strategic decisions that contributed to a new product feature release.
- **Partnered with cross-functional teams** to design AI-driven solutions and prepared technical documentation, ensuring smooth handover and scalability.
- **Utilized advanced data analysis techniques** to identify patterns and trends, helping transform raw datasets into actionable insights for product development.

EDUCATION

Bachelor's in Computer Science
Lebanese University 12/2022

CERTIFICATIONS

Machine Learning
Free Code Camp, Coursera
Employability Skills
Nawaya

PROJECTS

Jobs API (NestJS)

- Developed a RESTful API for job postings using NestJS with authentication and role-based access control.
- Designed scalable API architecture and integrated PostgreSQL for data persistence.
- Implemented validation, error handling, and secure JWT-based authentication for reliable backend operations.

JobBoard – Laravel Web Application

- **Built a modern job board web application** using **Laravel 12** with user authentication, job management, and employer profiles
- **Designed responsive frontend** using Blade templates and Tailwind CSS with comprehensive database relationships (users, jobs, employers, tags)
- **Implemented testing** suite with Pest PHP and integrated development tools for debugging and asset compilation

Classification System (NER) API (FastAPI + BERT)

- **Fine-tuned a BERT model** with Hugging Face Transformers for entity extraction, improving accuracy over baseline models by **12%**.
- **Deployed a RESTful API with Docker and FastAPI**, reducing inference latency by **30%** and ensuring easy integration via Swagger documentation.
- **Enabled CORS and front-end compatibility**, making the system production-ready for NLP pipelines.

Task Tracker (Next.js)

- Built a responsive task management web application using Next.js with secure user authentication and dynamic data loading.
- Integrated RESTful APIs for real-time task updates and implemented reusable components with Tailwind CSS.
- Optimized frontend performance and API handling to enhance user experience and data consistency.

SKILLS

Frontend: CSS, HTML, JavaScript, Next.js, Tailwind CSS, TypeScript

Backend: FastAPI(Python), Laravel (PHP), NestJS (Node.js), REST API development

Database: MySQL, PostgreSQL, SQLite

Development Tools: CI/CD, Docker, Git, GitHub

AI & Machine Learning: Hugging Face, Keras, OpenCV, Scikit-Learn, TensorFlow