

NGUYEN Le Diem Quynh

Full Stack Developer

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Fourth-year engineering student specializing in cyber security, with strong skills in **full-stack development**, particularly in back-end technologies and database management. I am seeking a **4-month internship** in computer science starting in **April 2025**, with the possibility of continuing in an **apprenticeship** during my fifth year.

Education

- **Cyber Security** 2021-present
INSA Centre Val de Loire - Bourges - **Main subjects:** Python, Web Development, Database, AI, etc.
- **Academic Program in Natural Sciences** 2018-2021
Le Quy Don High School for gifted students Binh Dinh - Vietnam

Projects and Experience

- **Movie Night Together - Web Application** August 2024 – present
Personal Project
Create a Social Network for Movie Event Organization
 - Development of secure APIs (JWT, OAuth2.0, DRF), real-time messaging and file transfer (Ably, Firebase), asynchronous and scheduled tasks (Celery, Redis), caching (Redis), optimization/automated testing (Django Debug Toolbar, Pytest), CI/CD (GitHub Actions), infrastructure (Docker, Docker Compose, NGINX with HTTPS/TLS), and front-end (ReactJS)
 - **Tech Stack:** Django/DRF, Celery, Redis, PostgreSQL, WebSocket (Ably), Docker, Pytest, SwaggerUI, Firebase, ReactJS**Github:** [Movie-Night](#) **Website:** [Movie-Night \(https://movienight-ui-550865855378.europe-west9.run.app\)](https://movienight-ui-550865855378.europe-west9.run.app)
- **Portfolio - Personal Website** November 2024
Personal Project
Create a Portfolio Website for Showcasing Projects and Skills
 - Development of a portfolio with smooth animations, designed to present projects and skills in a modern, engaging way.
 - **Tech Stack:** ReactJS, JavaScript, Mantine, Tailwind CSS**Github:** [Portfolio](#) **Website:** [Portfolio \(https://nguyen-quynh-portfolio.vercel.app\)](https://nguyen-quynh-portfolio.vercel.app)
- **Vaukazimut - Mobile Application** June 2024
University Project
Create a Mobile Application for Organizing Orienteering Races (Physical Education) - Team of 3 members
 - SQL Database Design, API Development, and UI Contribution with React Native
 - **Tech Stack:** Django/DRF, PostgreSQL, ReactNative**Github:** [Project-Programmation-Version2](#)
- **Evolving Game - Automated Multiplayer Game** September 2023 - April 2024
University Project
Create an Evolution Simulation Game - Team of 6 Members
 - Architectural modeling and development of an automated 2.5D game with multiplayer functionality and UNIX socket communication.
 - **Tech Stack:** Pygame, Socket C, IPC (Python et C)**Github:** [Projet Reseaux](#)
- **Internship at Global Farm** June 2022- August 2022
Agricultural Operations Management *Summer Internship in Vietnam*

Awards and Certifications

- **Vietnamese National Student Informatics Olympiad** December 2021
National Competition
Algorithms and Optimization - Algorithm, C++
Individual Competition - Third Place in Final Ranking
- **Advanced Django - Coursera [Codio]** September 2024
Online Course
Optimization of Django Rest Framework, API Test Writing, Integration with ReactJS, External API Utilization, and Task Scheduling with Celery and Redis.
- **APIs - Coursera [Meta]** May 2024
Online Course
REST API Development, Basic API Structuring, HTTP Request/Response Management, and Understanding of Key HTTP Methods

Technical Skills and Language

- **Programming & Frameworks** - Python, Javascript, C/C++, Java
Back-end: Django, DRF, Celery, Pytest, API RESTful, WebSocket, API Security
Database : SQL (PostgreSQL/ MySQL), NoSQL (MongoDB)
Front-end: HTML, CSS, ReactJS, Tailwind
Operating Systems & Tools: Unix, Docker, Git
- **Languages:**
Vietnamese (Native Language)
English (B2+)
French (B2)