



NGUYEN ANH DUNG

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LinkedIn: [Link to my LinkedIn profile](#)

GitHub: [Link to my GitHub profile](#)

As a Computer Engineering student at INSA Rennes (specializing in Cybersecurity & Cloud), I am a serious and adaptable individual with strong autonomy and solid experience in web application development. I am available for a 3-month internship, from June to early September 2026.

PROFESSIONAL EXPERIENCES

• JUNE 2025 - AUGUST 2025

OpenCEMS

Anglet, France

FULL STACK DEVELOPMENT INTERN

- Full-Stack Development (MERN stack + Python): Design and implementation of the REPA academic analysis platform (React, D3.js for visualization, Node.js/Express, Python, MongoDB).
- Data Engineering and Back-end: Implementation of the DBLP data ingestion pipeline in MongoDB and development of APIs for the calculation of complex bibliometric metrics (normalized h-index, academic age, etc.).
- Data Visualization and Intelligence: Creation of an interactive user interface (React/D3.js) to visualize the performance of researchers, integrating normalization by domain via the CSO ontology for a fair evaluation.
- [Link to the project's source code](#)

• JUNE 2024 - AUGUST 2024

PVI Insurance Corporation

Hanoi, Vietnam

BACK-END DEVELOPMENT INTERN

- Critical API Development: Design and implementation of robust APIs in C# and ASP.NET for PVI Insurance's "Online Insurance Assessment" platform.
- Data Optimization and Performance: Management and optimization of data queries via Entity Framework and LINQ on MS SQL Server, ensuring efficiency and integrity for applications in continuous service (24/7).
- [Link to the project's source code](#)

PARCOURS SCOLAIRE

• FEBRUARY 2022 - PRESENT

INSA Rennes

Rennes, France

MASTER'S DEGREE IN COMPUTER SCIENCE

- Relevant courses: Data Structures and Algorithms, Systems, Networks, Databases, Web Engineering (Java SpringBoot), Robotics, Machine Learning, Data Analysis and Mining, Statistics
- Cloud Computing: High-performance computing and parallelism
- Cybersecurity: Identify risks, threats, and vulnerabilities, as well as techniques to mitigate them. Gain practical experience with Python, Linux, and SQL.

PERSONAL PROJECT

LINKUP - REAL-TIME CHAT, VIDEO CALLING, SHARING, AND CONNECTION APP

- Full-Stack Development (MERN): Creation of a Full-Stack social application (React, Node.js, Express, MongoDB) with advanced features: chat, video calls and real-time screen sharing.
- Quality and Optimization: Use of TanStack Query and Custom Hooks to optimize data management, securing the API via JWT, and a stylized interface with Tailwind CSS.
- [Link to the project's source code](#)

SWIFTALK - REAL-TIME MESSAGING APPLICATION

- Full-Stack (MERN) and Real-Time Development: Design and deployment of a complete Full-Stack messaging application (React, Node.js, Express, MongoDB), integrating Socket.IO for instant chat features and presence indicators (online/offline).
- Security and Back-end Architecture: Implementation of custom JWT Authentication (without third-party services), securing the API via Rate-Limiting (Arcjet), and managing the sending of images via Cloudinary and transactional emails (Resend).
- Front-end and UI/UX optimization: Modern and thematic user interface (Tailwind CSS, DaisyUI), with efficient state management provided by Zustand, and integration of accessibility features (notification sounds and typing indicators).
- [Link to the project's source code](#)

EAGLE - E-COMMERCE WEBSITE

- Advanced Full-Stack Development: Complete design and implementation of a secure E-commerce platform using the MERN stack (MongoDB, Express, React, Node.js).
- State Management and Critical Services: Implementation of Redux Toolkit/Thunk for high-performance front-end state management and integration of crucial third-party services (PayPal for payments, Cloudinary for image storage).
- Security and Deployment: Implementation of JWT-based authentication and authorization, with final application deployment on Vercel, ensuring a complete and ready-to-use solution.
- [Link to the project's source code](#)

LANGUAGES

- French (level B2)
- English (level C1)
- Chinese (level A2)
- Vietnamese (Native language)

CERTIFICATES

- Python: [Link to the certificate](#)
- Java: [Link to the certificate](#)
- SQL Avancé: [Link to the certificate](#)
- Analyste de données IBM: [Link to the certificate](#)
- Développeur logiciel Full Stack chez IBM: [Link to the certificate](#)

SKILLS

- Project management
- Teamwork
- Time management
- Problem solving
- Adaptability