NOUR ISLAM AOUDIA

Cybersecurity Student & Junior Back-End Developer

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SUMMARY

Fourth-year Computer Science student at USTHB with 4 years of experience in cybersecurity, building secure and scalable full-stack applications and custom WooCommerce plugins. Skilled in Django, FastAPI, Express.js, and React, with a strong focus on backend security and system reliability.

SKILLS

- **Backend & API:** Express.js, REST API Development, Node.js, Django, FastAPI, WordPress
- **Security:** Secure Coding, Vulnerability Assessment, Network Security, Penetration Testing
- **Programming Languages:** Python, Java, C, SQL, JavaScript, Assembly
- **Frontend:** React, Next.js
- **Other:** Database Management, Production Deployment, Cryptography

PROJECTS

API & Backend Development

API Contact Manager *(Node.js, Express.js, JWT)*
Complete REST API for contact management with JWT authentication and secure routes. Users can register, login, and manage personal contacts securely.
🔗 Demo | ⬤ Code

API Form Laamsa *(Node.js, Express.js, JWT)*
REST API for managing business card orders with JWT authentication and admin panel.
🔗 Demo | ⬤ Code

NutriTrack API *(Node.js, Express.js, MongoDB)*
Robust RESTful API for nutrition tracking and calorie management. Powers food logging, meal planning, and personalized calorie calculations.
🔗 Demo | ⬤ Code

Algeria Wilayas API *(Node.js, Express.js)*
Complete REST API for Algerian wilayas (provinces) and communes with delivery prices and estimated delivery times.
🔗 Demo | ⬤ Code

Cybersecurity Projects

Cloud Security Lab *(Virtualization, Penetration Testing)*
Virtualized environment with comprehensive penetration tests: SQLi, XSS, MITM and vulnerability analysis. Secure configuration of Apache and SSH with advanced logging. Firewall implementation and network monitoring.
🄿 Presentation

Cryptographic Communication System *(Python, RSA, AES)*
Secure communication system using hybrid cryptography (RSA + AES) with digital signature.
⬤ Code

Full-Stack & Development Projects

Lamsa Platform *(Next.js, Supabase, Express.js)*

Centralized platform connecting physical business cards to digital profiles using unique codes. Allows instant access to user information when card is scanned, with admin management system.

🔗 Demo

Alina1 Store *(WordPress, WooCommerce)*

Complete e-commerce online store.

🔗 Demo

VAMOS Travel Platform *(Django, Python)*

Digital platform centralizing travel offers from multiple agencies, allowing users to search, compare and easily book their trips online.

🔗 Demo

Hotel Management System *(Java Swing, MVC)*

Complete hotel management system with real-time reservations, room management, billing system, and bilingual support (FR/EN).

 Code

8086 Checkers Game *(Assembly 8086)*

Complete checkers game in 8086 assembler with text-mode graphical interface. Features two modes: player vs player or player vs Robot.

 Code

EXPERIENCE

Founder   *Jul 2025*
WebFast DZ, Algiers – webfast-dz.vercel.app

- Designs custom websites and digital solutions to sustainably strengthen online presence and credibility
- Specializes in tailored web solutions for businesses

CMS & Back-End Developer   *Jan 2024*
Developer

- Junior backend developer specializing in REST API and WordPress
- Experience with Node.js, Django and databases
- Focused on security and production deployment

Cyber Security   *Sep 2022*
Student

- Cybersecurity student with strong foundation in networking and operating systems
- Knowledge of common cyber attacks and security best practices

EDUCATION

Computer Science in Cybersecurity   *2022 – 2027*
USTHB, Algiers

LANGUAGES

Arabe: Langue maternelle | **Français:** Courant | **Anglais:** Technique