

MOHAMED MEDJAHDI

Computer Science Student | Software Engineer | Penetration Tester

📍 Saida, Algeria | ✉ medjahdi.mohamed@outlook.com | 📞 +213667592513

🌐 LinkedIn: <https://www.linkedin.com/in/medjahdimohamed>

💻 GitHub: <https://github.com/medjahdi>

💻 Portfolio: <https://medjahdi.github.io/>

🎨 Design Portfolio: <https://www.behance.net/dreamservices>

SUMMARY

Driven Computer Science student with expertise in **Linux kernel optimization, ethical hacking, AI development, and full-stack web development**. Developed and contributed to open-source security tools and AI-powered applications. Passionate about leveraging cutting-edge technologies to solve real-world problems through automation, security research, and AI-driven solutions.

TECHNICAL SKILLS

- **Programming:** Python, C, TypeScript, JavaScript, Bash, HTML5/CSS
- **Cybersecurity:** Ethical Hacking (Kali Linux), Network Security (Wireshark, Nmap), Threat Analysis
- **AI & Machine Learning:** Conversational AI, NLP, LLM Fine-Tuning
- **Web Development:** Next.js, React, Tailwind CSS, API Development
- **OS Development:** Kernel Customization, System Optimization, Package Management
- **Cloud & DevOps:** Docker, Google Cloud Platform (GCP), CI/CD Pipelines
- **Tools:** Git, VS Code, Metasploit, VirtualBox, Framer Motion

- **Design:** UI/UX Prototyping, Web Design, Branding
-

EDUCATION

Bachelor of Computer Science (Licence 2)

University of Dr. Moulay Tahar, Saida

- **Key Coursework:** Cybersecurity, Data Structures & Algorithms, Linux Systems, AI & Machine Learning, Web Security
 - **Competitions:**
 - **1st Algerian Linux Distribution Hackathon (2024):** Built **Fennec OS**, a lightweight Linux distribution, in an intense 48-hour open-source development challenge at Saida University.
 - **Linux Kernel Development:** Compiled and optimized a functional Linux kernel.
 - **Live Linux Distribution:** Designed a lightweight OS with support for C/C++, Python, and a small web server, ensuring compatibility across **x86 and ARM platforms**.
 - **Customization & Automation:** Integrated Arabic language support, optimized system performance, and automated testing using **Vagrant and Ansible**.
 - **Collaboration & Sponsorship:** Worked alongside a talented team and received backing from **Sonatrach, CNLL, Sonelgaz, RSDT Consultancy, Djazzy, and the Ministry of Higher Education**.
 - **Impact:** This experience strengthened my expertise in **Linux system architecture, automation, and security**, and paved the way for future open-source contributions.
-

PROJECTS & ACHIEVEMENTS

Nova-GPT-WEB (AI Chatbot for Developers)

- **Built with:** TypeScript, Next.js, Tailwind CSS, Nova GPT API (custom-built), Framer Motion
- **Features:** Conversational AI, smooth UI/UX, real-time feedback, suggested prompts
- **GitHub:** <https://github.com/medjahdi/Nova-GPT-WEB>

PyEYE (Security Research Tool for API Discovery)

- **Built with:** Python, BeautifulSoup, Requests
- **Features:** Extracts endpoints from HTML, JS, and CSS files, aiding security researchers
- **GitHub:** <https://github.com/medjahdi/PyEYE>

Weather-App (Next.js Weather Application)

- **Built with:** Next.js, React, TypeScript, Tailwind CSS
 - **Features:** Real-time weather forecasts, interactive visualizations, dark mode
 - **GitHub:** <https://github.com/medjahdi/Weather-App>
 - **Live Demo:** <https://lnkd.in/ebEepJMm>
-

CERTIFICATIONS

- **Fundamentals of Deep Learning** (NVIDIA, Mar 2024 & Feb 2025)
 - **Mastering Kali Linux for Ethical Hackers** (Udemy, 2024)
 - **Hack-Proof Banking: Defend Against Credit Card Threats** (Udemy, 2024)
 - **CCNA Certification** (Simplilearn, 2024)
 - **Google Cloud Foundations** (LinkedIn, 2024)
-

PROFESSIONAL EXPERIENCE

Freelance Software Developer & Cybersecurity Consultant

Dream Services | 2023–Present

- Built secure web applications and automation tools for various clients.
 - Developed AI-driven solutions to enhance business efficiency.
 - Conducted cybersecurity assessments and implemented best security practices.
 - Created custom Linux-based security tools for penetration testing and threat analysis.
-

LANGUAGES

- **Arabic:** Native
 - **English:** Professional
 - **French:** Intermediate
-

OTHER

- **Interests:** Open-source contributions, AI/ML research, ethical hacking
- **Awards:** 4th Place Saida Hackathon 2023 | CNLL Linux Competition Participant 2024