



**BENSALEM Adem**

*Computer science student at ESI Algiers with strong experience in web development, UI/UX design, and algorithmic problem-solving*

- 📅 19 years old
- 📍 Ain Temouchent, Algeria
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- 🌐 [Bensalem Adem](#)
- 🌐 [adembensalem.vercel.app](#)

### Languages

Arabe : Native  
Français : B1 (Intermediate)  
Anglais : B2 (Upper Intermediate)

### Technical Skills

- **Programming Languages and Web Development:**  
C, Pascal, Python, Assembly, HTML, CSS, JavaScript
- **Operating Systems and Development Tools:**  
Linux, Shell, VS Code, GitHub, Logisim
- **Office and Productivity Tools:**  
Microsoft Word, PowerPoint, Excel
- **Design and creation:**  
Figma

### Interests

Web development (frontend & UI)  
IOT/ARDUINO  
Computer architecture  
Applied mathematics  
E-commerce and web technologies  
Exploring tech trends and hardware  
Video Creation & Editing  
Chess

### Scientific Clubs

Design Member – CSE  
UI/UX Developer – ETIC  
Multimedia – SEC

### Events & Projects

**HACKTIK** – Hackathon Participant  
**ESMS** – Design Team Member  
**MP** – UI/UX Developer  
**TEST.INI** – UI/UX Challenge

## Degrees and Certifications

- **Baccalaureate in Mathematics – with honors (2024)**
- **State Engineer Degree in Computer Science (2024 – Present)**  
ESI (École Nationale Supérieure d'Informatique), Algiers  
Currently pursuing a state engineering degree in computer science.
- **Online course (W3Schools) :**  
Frontend Development (HTML, CSS, JavaScript)  
Python (Data structures)
- **Advanced UI/UX Design Training**  
Focused on user-centered design, prototyping, and design systems.
- **Backend Development – MongoDB, Express.js**  
Practical project-based learning

## Technical Projects

- **Algorithm Design & Problem Solving**  
Developed and analyzed complete algorithms based on real-life scenarios, focusing on logic and efficiency.
- **Static Data Structures (Pascal)**  
Solved problems involving arrays and strings through structured programming in Pascal.
- **Dynamic Data Structures (C)**  
Developed a system for handling and organizing housing data dynamically using linked lists, stacks and queues in C.  
Implemented and compared search operations on BSTs and analyzed their efficiency in different scenarios.
- **Contact Management System (Assembly)**  
Built a low-level program for contact handling using memory management and data storage in x86 Assembly.
- **UI/UX Development – ESI+ Website Project**  
Contributed to a team project for a website about ESI (in TEO module), responsible for user interface and user experience design.
- **Logic Circuit Design (Logisim)**  
Simulated and implemented real-life digital circuits using logic gates and components in Logisim.
- **Linux Shell & Terminal Usage**  
Practiced shell scripting, file system navigation, and command-line operations in a Linux environment.