

## EL GHAZUI ABDERRAHMAN Coding Journey, Learning Growth & Hackathon Experience

**Introduction** My name is El Ghazouï Abderrahman, a young learner and builder passionate about technology, creativity, and problem-solving. My path in programming started with curiosity and grew into a mission: to develop solutions that make a real-world impact.

**Beginning the Coding Journey** I began learning programming entirely from scratch. The first challenge was understanding the logic behind computers — how code can transform ideas into reality. I didn't have a strong technical background, but step by step, I learned essential concepts. Key skills I started with:

- HTML, CSS & JavaScript — building websites and interactive experiences
- Python — solving problems and creating useful scripts
- Arduino & Electronics — connecting software with hardware

**Learning Never Stops** I quickly realized programming is not something you learn once — you keep leveling up. My learning strategy:

- Start small, build consistently
- Read documentation often
- Break problems into smaller pieces
- Learn from mistakes and projects

**Skills & Tools Gained**

- Frontend Web: HTML, CSS, JavaScript
- Backend & Logic: Python basics
- Software Tools: VS Code, GitHub, ESP32 environments
- Mindset: discipline, persistence, creativity

**Hackathon Experience** Participating in hackathons changed everything. They pushed me to:

- Work fast under pressure
- Think creatively and solve real problems
- Learn new skills on the spot
- Collaborate with others

Each hackathon taught me that ideas become valuable when executed. I discovered the importance of:

- Brainstorming rapidly
- Prototyping quickly
- Presenting projects clearly
- Iterating based on feedback

**Key Takeaways from Hackathons**

- Innovation matters more than perfection
- A simple working prototype beats a complex idea on paper
- Communication and teamwork are as important as coding
- Every challenge is a chance to grow

**My Mission Forward** I aim to transform my skills into real impact. Next goals:

- Build full web and AI projects
- Compete in more hackathons
- Create solutions that help communities
- Inspire others to learn and build

**Conclusion** My journey is still unfolding, and every line of code is a step toward a bigger vision. Hackathons, learning, and programming taught me something priceless: the best way to predict the future is to build it.