

# Abdelhay bouramdane

📍 Ben Guerir, Morocco    ✉ abdelhaybouramdane@gmail.com    📞 +212762480172    🔗 abouramd.github.io  
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## Summary

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I'm Abdelhay, a software engineering student at 1337 UM6P. Passionate about creating innovative solutions and constantly learning new technologies. Specializing in web development and software engineering.

## Experience

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**Direction Entrepreneurship & Venturing (DEV), UM6P, Ben Guerir**      17/03/2025 – 09/09/2025  
*Full-Stack Intern*

- Designed and developed a back-office system to manage startups' programs, user roles, and access control.
- Implemented features to streamline program management, ensuring scalability and ease of use for administrators.
- Collaborated closely with the DEV team to understand operational workflows and translate them into efficient digital solutions.
- Gained hands-on experience in full-stack development and project lifecycle management.
- **Technologies:** Next.js, TypeScript, Prisma, PostgreSQL, TailwindCSS, Docker, Git, react-mail, i18n, shadcn.

**1337 (42 Network), Ben Guerir**      10/2022 - Present  
*Software Engineer*

- Immersive coding experience with a focus on peer-to-peer learning. Developed projects in different programming language and various technologies.
- My key academic achievements and performance metrics at 1337 ([Here](#) 🔗).
- **School Website** ([Here](#) 🔗).

## Projects

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**Inception** [github](#) 🔗

- Inception 42 is a system administration exercise focused on creating a small infrastructure using Docker. This project aims to deepen understanding of system administration concepts through practical application.
- **Tools Used:** Docker, SQL, mariadb, Nginx, Wordpress, php-fpm, redis, adminer, FTP, SSL.

**Todo app** [demo](#) 🔗 [github](#) 🔗

- This project is a full-stack to-do application that allows users to store, manage, and track their tasks. Users can create to-dos, mark them as done, or remove of them. The app stores user data in a secure database, ensuring that users can access their to-dos from any device. Authentication is implemented to protect users' data, allowing only authorized access to their task lists.
- **Tools Used:** Tailwind CSS, TypeScript, Next.js, Prisma, NextAuth.js

**ft\_transcendence** [github](#) 🔗

- Developed a single-page application centered around multiplayer Pong. Implemented robust authentication (JWT, 2FA, remote), user profiles, and social features. Leveraged vanilla JavaScript for the frontend, Django for the backend, and Three.js for game rendering, showcasing proficiency in full-stack development and 3D graphics.
- **Tools Used:** HTML, CSS, Bootstrap, Javascript, Nginx, npm, Docker.

**Real-Time Chat** *Ongoing*

- Developed a real-time chat app with full-stack architecture, including user authentication and room creation.
- Integrated Socket.io for seamless, real-time communication between users.
- Deployed the app using Docker for portability and consistency across environments.
- Gained hands-on experience in full-stack development, real-time systems, and deployment workflows.

- **Tools Used:** Next.js (TypeScript), Express.js, Git, JWT, Swagger, Prisma ORM, PostgreSQL, Docker.

## Skills

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**Programming Languages:** C++, C, JavaScript, TypeScript, Shell Scripting, Python, SQL.

**Frontend:** HTML, CSS, Bootstrap, JavaScript, TypeScript, React, Next.js, Tailwind, Framer Motion.

**Backend:** Node.js, Express, GraphQL, Prisma, Mongoose, SQL, Next.js.

**others:** Docker, Git, Nginx.

## Languages

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**English, Arabic**