

ALI AMOUZ

## Junior cybersecurity engineer

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### WORK EXPERIENCE

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#### DarLkhir cindh

Software Developer

Rabat

October 2023 – Now

- Spearheading the development of a global platform that streamlines the process of onboarding associations. Successfully integrated 10 associations into the app, with an additional 29 on the waitlist.
- Pioneering media initiatives to elevate DarLkhir's status as one of Morocco's premier donation apps. Currently expanding its reach by developing an iOS version to engage a wider audience.
- Designed and implemented a dynamic website utilizing AngularJS, TypeScript, and Firebase as the backend infrastructure. The website serves as a platform for managing associations, streamlining their operations, and facilitating efficient fundraising.

#### TechFortitude

Full-Stack Web Developer Intern

Rabat

July 2024 – September 2024

- Developed and deployed a full-stack web application CMS to manage content efficiently.
- Utilized React.js and Node.js for the frontend and backend, integrating MongoDB for dynamic data storage.
- Collaborated with a team to optimize user interfaces and ensure a seamless user experience across platforms.

### EDUCATION

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#### Master of Engineering in cybersecurity

École Nationale Supérieure d'Informatique et d'Analyse des Systèmes (ENSIAS)

Rabat, Morocco

Expected July 2026

#### Associate's degree in Technologies and industrial science

Classes Préparatoires TSI

Agadir, Morocco

Sep 2021 - Jul 2023

### PROJECTS

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#### RustyPromodo – A Pomodoro Timer in Rust

- Designed and developed a lightweight Pomodoro timer using Rust, focusing on efficiency and reliability.
- Implemented customizable work/break intervals and notification features to enhance productivity.
- Overcame concurrency challenges in Rust to ensure smooth execution and timer accuracy.
- Built a user-friendly command-line interface for seamless interaction.

#### Custom Linux Shell Implementation

- Designed and implemented a custom shell as part of the Codecrafters challenge.
- Built foundational Unix command execution features like cd, ls, and exit using C.
- Implemented redirection (> and <), piping (|), and background process management (&).
- Addressed challenges related to process forking, signal handling, and inter-process communication.
- Enhanced debugging and troubleshooting skills through rigorous testing in various Linux environments.

#### Contribution to "Tree Python" Tool

- Refactored the codebase using object-oriented programming principles to enhance modularity and scalability.
- Implemented classes and methods to streamline functionality and improve maintainability.
- Debugged and tested the tool across Linux environments, ensuring compatibility and reliability.

### ADDITIONAL

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**Technical Skills:** python,c,java,rust,js,react,express,php,mongodb,mysql,sqlmap,burpsuite,metasploit,nmap

**Languages:** English, Arabic,French,Spanish