

# ABDERRAHMEN GHROUBI

STUDENT THIRD-YEAR SOFTWARE ENGINEERING

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 [Portfolio](#)  ARIANA, TUNISIA

## Summary

I am a third-year Computer Engineering student with a passion for new technologies, seeking a final-year project that will allow me to develop my problem-solving skills. I enjoy tackling new challenges and am motivated to learn. I am committed to engaging in innovative projects while collaborating with multidisciplinary teams.

## Education

<b>Engineer Degree in Computer Science</b> <i>National Engineering School of Carthage</i>	<b>Sep. 2022 - Present</b> <i>Tunis, Tunisia</i>
<b>Preparatory Cycle in Physics and Chemistry</b> <i>Faculty of Sciences of Sfax</i>	<b>Sep. 2020 – May 2022</b> <i>Sfax, Tunisia</i>
<b>Baccalaureate in Mathematics</b> <i>Mohamed Ali High School</i>	<b>Sep. 2016 – May 2020</b> <i>Sfax, Tunisia</i>

## Experience

<b>OneByte Solutions</b> <i>Software Engineering Intern</i>	<b>July 2024 – August 2024</b> <i>Sfax, Tunisia</i>
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- Design and development of a real-time monitoring system for Computer Numerical Control machines.
- Use and enhancement of a library for communication and data extraction from Computer Numerical Control machines.
- Creation of a Windows service to monitor machine connectivity and data collection.
- Development of an interactive dashboard to visualize collected data.

**Keywords:** Python, Pywin32, SQL Server, Blazor, C#

## Projects

<b>AI-Powered Waste Management Platform</b>   <i>Next.js, TypeScript, Gemini API ,PostgreSQL</i>	<b>  October 2024</b>
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- Development of a waste management platform, including a collection, reporting, and rewards system.
- Implementation of Gemini AI to verify waste in real-time with an interactive dashboard.
- Integration of Web3Auth authentication and design of the user interface.

<b>Internship Management Platform</b> <i>Angular, Spring Boot, TypeScript, Bootstrap, MySQL</i>	<b>  March 2024 - April 2024</b>
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- Development of a platform to manage users and internship applications.
- Management of offers, acceptance of applications, and internship information.
- Design of a calendar for posters.

## Technical Skills

**Languages :** Java, C, C++, Python, C#, JavaScript, TypeScript, Bash  
**Web Development :** HTML5, CSS, Angular, ReactJS, Next.js, Spring Boot, .NET, GraphQL API, REST API  
**Databases :** Oracle, MySQL, PL/SQL, PostgreSQL, SQLServer  
**DevOps and Tools :** CI/CD, Jenkins, Kubernetes, Docker, GitHub,Terraform, Ansible  
**Operating Systems and Tools :** Linux, Windows Server, Git, IntelliJ, Eclipse, Visual Studio, Postman, Figma

## Leadership

<b>AISEAC in Tunisia</b> <i>Active Member</i>	<b>2023 - 2024</b> <i>Carthage, Tunisia</i>
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- Contacting international members of AISEAC to build strong relationships with other local .
- Participated in various workshops and organized events aimed at enhancing my soft skills, including communication, teamwork, negotiation, and leadership.

## Languages

- **Arabic** (Native)
- **French** (Fluent)
- **English** (Professional)