

# SLIM Hassen

4th Year Computer Engineering Student

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🌐 SlimHassenPortfolio

## Academic Background

### École Nationale d'Ingénieurs de Tunis

*El Manar, Tunis, Tunisia*

*September 2023 – Present*

National Engineering Degree in Computer Engineering

*Key Courses:* Java, C/C++/C#, .NET, Mathematics, AI, Web Development, Networking

### Institut Préparatoire aux Études d'Ingénieurs de Monastir

*Monastir, Tunisia*

*September 2021 – June 2023*

National Admission Exam for Engineering Schools

*Key Courses:* Mathematics, Physics, Chemistry, Thermodynamics, Quantum Mechanics, Probability, Statistics

## Experiences

### Sartex Group

*June 2024 – August 2024*

*Ksar Hellal, Monastir, Tunisia*

**Network Observation Internship:** Gained hands-on experience in analyzing and managing computer networks. Simulated over 10 network scenarios using GNS3 and Cisco Packet Tracer, configuring 20+ virtual routers and switches. Focused on mastering communication protocols, network architecture, and real-time performance validation, leading to a 25% improvement in troubleshooting efficiency.

*Tools:* GNS3, Network Protocols, Router and Switch Configuration

## Projects

### AuTowAid – Smart Towing Assistance App (Final Year Project II)

*2024 – 2025*

Developed a mobile app for real-time towing assistance using Flutter and Spring Boot. Integrated Firebase for notifications and Angular for an admin dashboard. Backend deployed on the cloud.

*Tools:* Flutter, Spring Boot, Firebase, Angular, Cloud Deployment

### License Plate Recognition AI Model

*2024*

Trained a YOLOv8 model on Roboflow datasets to detect and read license plates with high accuracy. Used Google Colab for experimentation.

*Tools:* YOLOv8, Python, Roboflow, Google Colab

### Cinema Ticket Reservation App

*2024 – 2025*

Web app built with Jakarta EE, handling ticket reservations and payments for users.

*Tools:* Jakarta EE, HTML, CSS, JavaScript, MySQL

### To-Do List Web App (FYP I)

*2023 – 2024*

Fullstack task manager using Django and SQLite, with interactive frontend.

*Tools:* Django, HTML, CSS, JavaScript, SQLite

### Search Engine in Java

*2024*

Indexed 1,000+ documents with optimized data structures and fast retrieval.

*Tools:* Java, Search Algorithms

### Factory Scheduling Optimizer

*2024*

Solved production planning using linear programming; GUI with Tkinter.

*Tools:* Python, PuLP, Tkinter, Pandas

### Mini Forum in C

*2024*

Created a school forum system handling users and messages via a simple C backend.

*Tools:* C

## Technical Skills

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**Web and Fullstack Development:** Jakarta EE, Spring Boot, Angular, HTML, CSS, SQLite, .NET, C#

**Mobile Development:** Flutter, Firebase

**AI and Machine Learning:** YOLOv8, Roboflow, Google Colab

**Programming Languages:** Python, Java, C, C#

**Optimization and Problem Solving:** PuLP, Tkinter, Pandas

**Databases:** MySQL, SQLite, Oracle Express

**Development Tools:** Git, GitHub

**Graphical Interfaces:** Tkinter

**Operating Systems:** Linux, Windows

## Personal Skills

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- Problem Solving
- Team Collaboration
- Effective Communication
- Adaptability

## Languages

- **Arabic:** Native
- **French:** Fluent
- **English:** Fluent