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)   *October 2024 – May 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   *March 2025*
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 ,Flask

Cinema Ticket Reservation App   *December 2024 – January 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 (Final Year Project I)   *October 2023 – May 2024*
Fullstack task manager using Django and SQLite, with interactive frontend.
Tools: Django, HTML, CSS, JavaScript, SQLite

Search Engine in Java   *Mars 2024 – Avril 2024*
Indexed 1,000+ documents with optimized data structures and fast retrieval.
Tools: Java, Search Algorithms

Factory Scheduling Optimizer   *November 2023*
Solved production planning using linear programming; GUI with Tkinter.
Tools: Python, PuLP, Tkinter, Pandas

Mini Forum in C   *October 2023*
Created a school forum system handling users and messages via a simple C backend.
Tools: C

Technical Skills

Web and Fullstack Development: Jakarta EE, Spring Boot, Angular, HTML, CSS, SQLite, React, 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

- Problem Solving
- Team Collaboration
- Effective Communication
- Adaptability

Languages

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