# Anis Tarhouni Trabelsi

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## About Me

I am a dedicated software engineering student with a passion for creating impactful, user-centered applications. With a strong background in programming and a keen analytical mindset, I approach each project with a blend of creativity and precision, ensuring solutions are both efficient and effective.

Known for my adaptability and attention to detail, I thrive in collaborative environments, where I can tackle complex challenges alongside others.

Driven by a commitment to continuous learning, I am excited to contribute my skills in settings that value innovation, growth, and meaningful impact.

## Education

**Bachelor of Computer Science**     **Higher Institute of Informatics**     *Mahdia, MA, TN*     **2022 - 2025**

- Related Courses: Software Engineering | Data Structures and Algorithms | Database Management Systems | Web Development | Artificial Intelligence | Operating  Systems | Software Testing and Quality Assurance | Network Security

**High School Diploma**     **L'aouina High School**     *Tunis, TN*     **2018 - 2022**

Specialization: Mathematics
Mention: Good
Grade: 14.24/20
- Related Courses: Calculus | Statistics | Computer Science | Physics | Advanced Algebra | Discrete Mathematics

## Experience

**Software Developer Intern**     **Tunis Stock Exchange**     *Tunis, Tunisia*     **06/2024 - 07/2024**

- Developed a web application for processes and asset management using Flask and React, which improved operational efficiency by 30% and reduced transaction processing time from 10 minutes to 8.5 minutes
- Enhanced risk management protocols by implementing automated SQL reporting features, decreasing manual errors by 40% and improving report generation speed from 2 hours to 15 minutes, enabling quicker decision-making for 10+ stakeholders.
- Implemented security measures, including data encryption and user authentication protocols, reducing system vulnerabilities by 30% and ensuring compliance with industry standards for 1000+ users, thereby enhancing data protection.

## Skills

- Python | Java | JavaScript | TypeScript | C | Node | Express | React |  Next | jQuery | NoSQL | Git | PHP | Flask
- Azure | Cloud Computing | CI/CD  | OOP
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack

## Projects

- **Financial Tracker Web Application with AI Assistant**

**Key Contributions:**

- Developed a full-stack application using Flask, managing secure user authentication and session handling.
- Integrated SQL Server for robust data management and CRUD operations with pypyodbc.
- Built an AI assistant leveraging OpenAI's Gemini API for financial recommendations.
- Designed interactive UI with HTML, CSS, and JavaScript for seamless navigation and data management.

**Technologies:** Python, Flask, SQL Server, OpenAI Gemini API, HTML/CSS, JavaScript.

•**Football Player, Ball, and Referee Tracking System**

**Key Features:**

- Used YOLO for detection and ByteTrack for object tracking.
- Annotated videos with visual markers to highlight object trajectories.

**Technologies:** Python, OpenCV, YOLO, ByteTrack.

## Certifications

- **Azure Fundamentals (AZ-900) | Microsoft**: Acquired foundational knowledge of Azure services, cloud concepts, and core Azure services, enabling effective utilization of the Azure platform. **(11/2023)**
- **The Complete 2024 Web Development Bootcamp** | **Udemy:** Completed a comprehensive course covering HTML, CSS, JavaScript, React, Node.js, and other essential web development technologies, equipping me with the skills to build dynamic, full-stack web applications **(07/2024)**

## Awards

- **Silver Award**: Won 2nd Place at Youth Speak Hackathon by developing solutions addressing two Sustainable Development Goals (SDGs), water and economic development. **(03/2024)**
- **Bronze Award**: Won 3rd Place at CMC Hackathon by collaborating with a team to develop an e-commerce website integrated with Open Banking API. Presented innovative solutions to streamline financial transactions and enhance user experience. **(02/2024)**

## Languages

- Arabic: Native
- French : Bilingual
- English : Professional
- Russian : Beginner
- Spanish : Beginner

## Social Life

- **Member | Isima Microsoft Club | 2022**: Actively participated in events, workshops, and collaborative projects to enhance technical skills and knowledge in software development.
- **Member | AIESEC Ruspina | 2023**: Engaged in networking opportunities, professional development, and cross-cultural exchanges, enhancing leadership skills and global awareness in a collaborative environment.