Ezzeddine Wertani

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Profile Summary

Third-year computer science student passionate about technology, problem-solving, and continuous learning, with hands-on experience in both front-end development and AI-driven solutions.

Professional Skills

Technical Skills: Python, Java, C, C++,UML,XML, HTML/CSS, JavaScript, PL/SQL, Angular, Spring Boot, Postman, GitHub, FastAPI, Langchain, LangGraph
Developer Tools: VS Code, Eclipse, NetBeans
Soft Skills: Teamwork, Problem-Solving, Critical Thinking, Continuous Learning, Self-Motivation, Adaptability
Languages: English (Good), French (Average), Arabic (Native)

Education

National Engineering School of Carthage   Carthage, Tunisia
Software Engineering   *Since September 2022*

Manar Preparatory Engineering Institute   Manar, Tunisia
Preparatory Cycle for Engineering Studies   *2019 - 2022*

Experience

Workplace Assistant Intern   Think Tank Business Solutions, Tunisia
July 2024 - August 2024

- Strengthened Angular skills by working on Angular microarchitecture for frontend development.
- Contributed to the development of an AI-powered workplace assistant using Llama3, featuring:
    * Implemented voice identification using a pre-trained model from Hugging Face and developed an algorithm to ensure accurate user authentication, minimizing the chances of misidentification.
    * Integrated Annyang for speech recognition with speech detection, enabling automatic message dispatch when users stop speaking.
    * used an existing api for workplace management, allowing employees to view, request, and reassign available workspaces based on their usercode(the ai-assistant knows the employee's usercode after the voice identification).
- Designed and implemented a stateful meeting scheduling graph that consolidates meeting details (time, date, participants, purpose) and saves to a YAML file. The assistant requests any missing information for accuracy.
- Built tools for office navigation assistance, visitor check-in/check-out, and workplace resource requests.

Projects

Club Management Application   Java, JavaFX, NetBeans, 2023

- Utilized Java streams to optimize data handling within the application, including filtering, mapping, and reducing club-related data.

Coronary Artery Disease Prediction   Python, Scikit-learn, Matplotlib, Pandas, 2024

- Conducted data analysis on 300 adults for coronary artery disease prediction, applying PCA to simplify clustering.

School Finance Management   Spring Boot, Angular, PostgreSQL, Postman, 2024

- Developed a full-stack application with Spring Boot and Angular, using PostgreSQL for data storage, and implemented secure login authentication.

ACHIEVEMENTS AND INTERESTS

Ranked 23rd in IEEEXtreme (Version 16 in Tunisia), 351st in Version 17 (32nd in Tunisia), and 432nd worldwide.

Chess enthusiast and experienced in algorithms; served as Event Manager for CPC, organizing beginner-level problem-solving competitions.

Interests include mathematics, sports (taekwondo, table tennis, football), camping, and scouting.