Ahmed Jammoussi

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Education

INSAT - National Institute of Applied Science and Technology	*Tunis, Tunisia*
BS, Software Engineering	*Expected 2027*

Skills

- C, C++, C#, Java, Python, Bash, PHP, HTML, CSS, JavaScript, TypeScript, GraphQL
- Node.js, React.js, NestJS, Express.js, SpringBoot, Symfony, MySQL, PostgreSQL, Docker, Git/Github
- Numpy, Pandas, Seaborn, Matplotlib, Scikit-Learn, TensorFlow, PyTorch, Torchvision, OpenCV

Experience

Software Developer Intern — *Remote*
Vikonnekt — *Aug 2024 – Oct 2024*

- Contributed to the development of an internal full-stack web application, enhancing the efficiency of team operations.
- Leveraged TypeScript and Apollo GraphQL for robust data management, ensuring seamless communication.
- Implemented the front-end using React.js & Tailwind, creating a responsive and modern user interface.
- Managed server-side logic and database interactions with NestJS and PostgreSQL, ensuring optimal application performance, and utilized Docker for containerization, facilitating consistent development and deployment environments across the team.

Software Developer Intern — *Tunis, Tunisia*
Telnet — *July 2024*

- Designed and implemented a full stack web application to optimize the lifecycle management of payment devices, improving operational efficiency.
- Developed a RESTful API using Spring Boot, integrating Spring Data JPA and Spring Security with JWT for secure authentication and data management.
- Utilized React.js, ensuring a user-friendly experience, and managed database interactions with PostgreSQL

Projects

Chess Coach Robotic Arm — *Oct 2024 - Dec 2024*

- Participated in the development of a robotic chess coach that uses computer vision to analyze the board during the game and predicting the best moves to tutor elementary students.

U-Net Implementation for Pet Image Segmentation — *Jan 2025*

- Implemented the U-Net architecture using Python, PyTorch, and Torchvision for image segmentation on the Oxford-IIIT Pet Dataset, and developed a model to locate pet regions within images.

Activities

Member — *Tunis, Tunisia*
Junior Entreprise INSAT — *Sep 2024 - Present*

- Was part of the Organizing Committee of "Hack for Good 3.0", the Hackathon of "Forum INSAT Entreprises"

Vice Chair of Membership Activities — *Tunis, Tunisia*
IEEE INSAT Computer Society — *Aug 2023 – Sep 2024*

- Developed a community outreach strategy to introduce newcomers to computer science.
- Was part of organizing IEEEXtreme 17.0 and supervising events such as Data Overflow and AINS

Marketing Officer and Webmaster — *Tunis, Tunisia*
Woody Plastics — *Feb 2024 - June 2024*

- Contributed to developing a startup idea recycling wood waste into reusable plastic bags as part of a Hackathon, conducted market research and developed a website for the startup.

Other

- **Certificates:** 🔗 DataCamp's Deep Learning Track 🔗 NVIDIA Efficient LLM Customization,
- **Awards**: 1st place in "Code in The Dark 3.0", a frontend development competition