



Rayhan BENLHAJ

ENSEEIHT Engineering Student (Class of 2026, in progress)

- Apprentice at ONERA passionate about scientific data and AI

Professional Experience

○ Apprenticeship - Database Engineer, Space Environment

Office national d'études et de recherches aérospatiales

01/08/2025 - (in progress)



As the person in charge of a measurement database for the radiation belts, I built a Python alerting system with logging to detect and trace anomalies. To keep scientific plots consistent, I refreshed my physics knowledge and standardised the processing. I also wrote a custom Python library for CDF files to automate ingestion, quality checks, and data preparation.

○ Intern - Front-end and Deployment for Meteorological Products

Centre interarmées de soutien météo-océanographique des forces

17/03/2025 - 13/06/2025

I developed the web interface in HTML/CSS/JavaScript and delivered a reliable deployment. I automated imports and validations with Python, then secured distribution using DNS, a reverse proxy, and firewall rules. Result: rapid production launch, fewer distribution errors, and a much faster update workflow.



○ Intern - Front-end and Architecture, Climatology Software

08/04/2024 - 13/06/2024

I took the initiative to restart the project from scratch to rebuild a clean and reliable base. I defined the architecture and developed the interface in HTML, CSS, and JavaScript, focusing on reusable components, responsive design, and accessibility best practices. This approach gave me real autonomy, sped up delivery, clarified the code, and made maintenance easier, resulting in a smoother product that is simpler to evolve.

Interests

- Meteorology
- Climatology
- Artificial intelligence
- Technology watch
- Software development
- Aeronautics and space

Culture

- Literature
 - Poetry
 - Theatre
 - Philosophy
- Guitar
 - Electric
 - Classical

Languages

French native



English B2



Education

○ 2025-2026 (in progress)

ENSEEIHT - Engineering degree

Digital Sciences



○ 2022 - 2025

French University Bachelor of Technology (B.U.T.) - Networks & Telecommunications, Cybersecurity track

IUT of Blagnac (31)



→ Certifications

- CCNA 03 et Cyberops
- Stormshield CSNA



Skills

Systems and Programming ★★★★☆

Databases Oracle sql / datalake / Python / HTML, CSS, JavaScript / dataviz / c

Network Security ★★★★☆

Cisco Switching/Routing (VLAN, VRF, OSPF/BGP) / VRF / Routage dynamic routing / Firewall / DNS

