

Curriculum Vitae

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Objective

Motivated and interdisciplinary student pursuing a Bachelor's in Economics with Data Science, with a prior engineering background in Mechatronics. Passionate about applying data science in satellite communications, space mission data handling, and Earth observation systems. Seeking to contribute to Africa's space sector through innovation and knowledge transfer, and committed to becoming a future trainer and leader in space systems engineering.

Education

Bachelor of Economics with Data Science
University of Cassino, Southern Lazio, Italy
September 2023 – Present

Associate Degree in Mechatronics Engineering
Addis Ababa Science and Technology University, Ethiopia
Graduated: June 2022

Experience

Open Hub Hackathon – Smart and Sustainable City Innovation (Feb 2024)

- Achieved 3rd position for developing an innovative solution using sensor data and communication workflows.
- Demonstrated skills relevant to telemetry, data transmission, and decision-making systems.

Open Hub Hackathon – Marketing Strategy for Scuderia Unicas (Sept 2024)

- Led a diverse team to design data-driven strategies for user engagement.
- Applied communication and analytics skills valuable for mission data interpretation.

Courses & Certifications

- Advanced Data Science, Coursera (July 2023)
- Introduction to Biomedical Engineering, Polytechnic University of Petersburg (Feb 2023)
- Planned: Satellite Communication Fundamentals (ESA Academy, July–Sept 2025)

Technical Skills & Interests

- Satellite Data Handling & Analysis (using Copernicus Open Access Hub)
- Programming: Python, R for data processing and automation
- Currently exploring telemetry protocols (CCSDS), mission planning tools (STK, GPredict)
- Interest in Earth observation, space communications, and data-driven satellite solutions

Skills

- Data Analysis: Extracting and interpreting mission data for decision-making
- Problem Solving: Applying logic to technical and data challenges in missions
- Communication: Effective technical and team communication
- Project Coordination: Managing deadlines and cross-functional collaboration
- Interpersonal Skills: Teamwork and leadership in diverse environments

References

Available upon request