

# Daniele Avolio

SOFTWARE ENGINEER · MACHINE LEARNING ENGINEER

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## Summary

Studying Computer Science and Artificial Intelligence at the University of Calabria, with past experience in software and front-end development. I have a big interest in artificial intelligence, particularly in Machine Learning and Deep Learning. Proficient in multiple programming languages, with a strong foundation in Python and JavaScript, I am always seeking to learn new technologies in the field of AI and Data Engineering.

## Education

### Instituto Superior Técnico

ERASMUS+ STUDENT

Lisbon, Portugal

Apr 2024 - Jul 2024

- Attended courses in Computer Science, Artificial Intelligence, and Electrical and Computer Engineering.
- Improved knowledge in state-of-the-art technologies, and developed a network of international contacts.

### Unical (University of Calabria)

M.S. IN COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE

Cosenza, Italy

Sep. 2022 - Ongoing

- Currently pursuing a Master's degree in Computer Science and Artificial Intelligence.
- Big interest in Machine Learning, Deep Learning, and Data Engineering.

### Unical (University of Calabria)

B.S. IN COMPUTER SCIENCE

Cosenza, Italy

Sep. 2018 - Apr. 2022

- Graduated with a Bachelor's degree in Computer Science.
- Focused on Software Engineering, Web Development, and Artificial Intelligence.
- Developed as final project a web application for the management of a student social network.

## Skills

<b>Data Science</b>	Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, Keras, PyTorch, OpenCV, Gradio, NLTK, Spark, Hadoop
<b>Programming</b>	Python, JavaScript, TypeScript, Java, C++, SQL, Node.js, HTML5, CSS3, Svelte, Angular, TailwindCSS, Bootstrap
<b>Tools</b>	Git, Firebase, Vercel, Hugging Face, Pentaho, Tableau
<b>Soft Skills</b>	Problem Solving, Teamwork, Communication, Time Management, Adaptability, Creativity
<b>Languages</b>	Italian, English

## Experience

### IET s.r.l.

FRONTEND DEVELOPER - STAGE

Rende, Calabria

May 2022 - Ago. 2022

- Collaborated to the creation of a custom Angular ngMaterial library for specific company uses.
- Developed from scratch and maintained an internal application for an Italian company using Angular and Tailwind CSS, managing the creation of custom survey applications for the company's clients.
- Improved old code and implemented new features on some legacy applications, planning and anticipating possible future changes.

## Projects

### Immersivaudio

INSTITUTO SUPERIOR TECNICO

Lisbon, Portugal

Apr 2024

- Developed an audio generation application utilizing state-of-the-art deep learning models.
- Generating audio from videos or images with easy deployment on the cloud using Hugging Face Spaces

### Personal Website

PERSONAL PROJECT

Italy

Jul 2023 - Ongoing

- Created a personal website using SvelteKit v1, featuring custom designs and components.
- Includes a blog section powered by lightweight markdown files.

## Honors & Awards

2023 **Best Master Student**, Master Degree in Computer Science and Artificial Intelligence

Cosenza, Italy