

# Andrea Serra

Turin | +39 342 0727406 | [anserratech@gmail.com](mailto:anserratech@gmail.com) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

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### [Politecnico di Torino](#)

**Master's Degree** in Artificial Intelligence and Data Analytics

2025 - Now

**Bachelor's Degree** in Computer Engineering

2022 - 2025

### [Massachusetts Institute of Technology - MITx](#)

Sep - Dic 2025

*Machine Learning with Python: from Linear Models to Deep Learning*

[Edisu Scholarship](#) for promising students who are up-to-date with their exams.

## INTERNSHIPS

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- **Sentric S.r.l. - WebScraping in Python** March - May 2025  
Worked on **backend development** and **data scraping** in **Python (Requests, Selenium, Selectolax)**, improving and automating internal processes, using **Git** for version control, and **collaborating** in a team through task sharing and weekly **coordination calls**.

## PROJECTS

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- **[FinanceBot](#)** February 2023  
*Utilized **Pandas** and **MetaTrader 5 API** to collect and manipulate data, implementing an investment strategy based on the **Bollinger Bands** statistical model.*
- **[Elle Erre](#)** August 2022  
***Landing website** for a transportation company. It is built using **Bootstrap 5** and integrates a contact form through **FormSubmit**. The page serves as a corporate site, showcasing the company's services and providing a way for users to get in touch.*
- **[Dancing in Space](#)** June 2022  
***Led the team to win 1st place** at the **European RoboCup OnStage**. Programmed robots in **Arduino (C++)**, to perform synchronized routines to music.*

## TECHNOLOGIES AND LANGUAGES

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- Python, Java, MySQL, Postgres, HTML, CSS, C
- Git, Pandas, Tensorflow, Flask, Django, FastApi, Excel
- Italian: Native, English: B2 (Upper Intermediate)