



# Salvatore D'Ambrosio

Born in Scafati (SA), Italy, on May 10th, 1996

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## Languages

Italian (Native) & English (B2 Certificate)

Driving License B

Open to relocation

## Education

### BSc in Computer Engineering (L-8)

University of Salerno, Italy - In progress

Bachelor's Degree focused on both hardware and software systems.

It included the following topics:

- Mathematics and physics
- Operating Systems
- Computer Networks
- Algorithms and Data structures
- Web technologies
- Software engineering
- Hardware engineering
- Databases

*Graduation expected by December 2025.*

## Work experience

### Software developer @Nexsoft - Salerno

August 2025 - October 2025

- Design and implementation of Retrieval-Augmented Generation systems (**RAG**) using **generative AI** models on **Python**
- Design of automatic evaluation framework based on the “**LLM-as-a-Judge**” on **Langfuse** platform

### Web developer @T30 Web Agency - Eboli (SA)

July 2024 - December 2024

- Design and development of websites for small companies on **Wordpress**, using **JS** and **PHP**

# Hard Skills

## Programming languages & Databases

Java

HTML&CSS

PHP

C

Javascript/TypeScript

Python

PostgreSQL

Assembly

## Frameworks & Libraries

ReactJS

Bootstrap

Java FX

Sass

Java spring

Tailwind

Langchain

Micropython

## Platforms & Tools

- Git&Github
- Windsurf/VSCode
- pgAdmin
- Wordpress
- Figma
- Node-RED
- REST APIs
- Langfuse

# Soft Skills

## Problem Solving

My detail-oriented and persistent approach enables me to find optimal solutions to problems and tasks, allowing me to perform well even under pressure.

## Teamwork

Thanks to my experience with academic projects and professional work, I have developed persistence and adaptability, which allow me to integrate into any team. I strongly believe in fairness and equity, which guides my interactions and fosters a positive and respectful work environment.

## Leadership

Driven by both inclination and enjoyment, I have taken on the role of team coordinator in all my academic projects, ensuring effective time management, balanced task distribution, and a positive team dynamic. Whenever issues arose, I was proactive in identifying and implementing the most suitable solutions.

## Creativity

Creative by nature, I enjoy combining utility, simplicity, and elegance whenever the task requires it. In my work, I apply this approach to ensure clean code, reusability, and modularity. **"When genius binds creativity to utility, great ideas are born".**

# Projects

## IntelliCurtain



Smart-home curtain designed and developed for the IoT course. In addition to the software component implemented with **MicroPython**, we focused on the hardware side, using an **ESP32** chip and various I/O components, with remote-control capability via the **MQTT protocol**.

## RAG-Evaluator



Internship project for the design of an automatic evaluator framework based on “**LLM as a Judge**” to measure and improve the performance of RAG systems developed using **Generative AI** models. The framework is developed using **Python** and multiple libraries, such as **langchain** and **doclinc**.

## Spiderman Home



Full-stack university project aimed at promoting a Spider-Man-themed product and selecting a winner from among the website's registered users. The frontend was developed using **HTML**, **CSS**, and **JavaScript**, while the backend was implemented in **PHP** with a relational DBMS built in **PostgreSQL**.

## My Calendar



Individual full-stack project for the development of a personal calendar, aimed at learning and deepening knowledge of web technologies. The backend was developed using **Java Spring Boot** and a **PostgreSQL** database, with **REST APIs** created to handle CRUD operations. The frontend was built using **ReactTS** and powered by **Vite.js** as package builder.

## Athletics

Academic project focused on the development of a **DBMS** for the World Athletics Championships. We worked on both the design of the **ER model** and its implementation through tables and queries using **PostgreSQL** and **pgAdmin**.

## Disclaimer

I hereby authorize the processing of my personal data in compliance with the Swiss Federal Act on Data Protection (LPD n. 235.1 of 19.06.1992) and with the Italian Legislative Decree no. 196 of 30/06/2003.

*Salvatore D'Ambrosio*