Andrea Carollo

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Professional Summary

Master's student in Cybersecurity with a solid Computer Engineering background. Experienced in full-stack development and secure systems design, aiming to contribute to a Summer 2026 internship where software engineering meets cybersecurity and data analysis.

Education

University of Palermo   Palermo, Italy
M.Sc. Computer Engineering - Cybersecurity   *Expected July 2027*

University of Palermo   Palermo, Italy
B.Sc. Computer Engineering   *Graduated July 2025*

Selected Projects

Gym Management Web App | *Angular, TypeScript, Flask, SQLite, Docker*
– Developed a full-stack platform to manage gym operations across three user roles (Admin, Trainer, Customer).
– Built a RESTful backend with Flask and managed data persistence using a SQLite database.
– Implemented Angular-based UI for user scheduling and profile editing, tested with Postman and Dockerized for deployment.

Coffe Capp (In Development) | *Java, Spring Boot, JavaScript, Spring Security*
– Designing a full-stack application for a coffee shop with 3 user roles (Admin, Staff, Customer).
– Implementing a REST API backend with Spring Boot (MVC, Data, Security) and a separate frontend in pure JavaScript.

Personal Portfolio | *Next.js, React, Tailwind CSS, TypeScript*
– Designed and developed an interactive personal portfolio to showcase projects and technical skills.
– Implemented a responsive, mobile-first UI with Tailwind CSS and interactivity with React Hooks.

Technical Skills

Languages: Python, Java, C, JavaScript, TypeScript, HTML/CSS, Bash, SQL

Frameworks & Libraries: React, Angular, Node.js, Flask, Spring Boot, Tailwind CSS

Databases: MySQL, MongoDB, SQLite

Tools: Linux (Kali, Ubuntu), Git, Docker, Postman

Security: Wireshark, Web App Security (OWASP), Network Defense, Secure Coding Practices

Certifications & Languages

Cisco NetAcad — CCNA Series (3-Module Completion)

Cisco Cybersecurity Essentials — Certificate of Completion

Cisco IoT Fundamentals: Big Data & Analytics — Certificate of Completion

English: B2 (Upper Intermediate) | Italian: Native