

# Armando Ahir

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## Education

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### High school Fortunato Marazzi

Crema, Italy

*Electronic technician diploma*

- **Relevant courses:** Electronics fundamentals, electrical maintenance, Computer science fundamentals, mechanics

### University of Brescia

*Bsc computer science engineering*

Brescia, Italy

- **Relevant courses:** C and Java fundamentals, databases (SQL and NoSQL), Network communications (GNS3), operating systems, Software engineering(UML, design patterns, blackbox and whitebox testing), Programming languages structure.

## Technical Skills

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**Languages:** English(B2), Italian (native), Hindi(second language), Punjabi(dialect), French (school formation),

**Programming Languages:** C/C++, Java, MATLAB, Latex, Shell

**DevOps tools :** Docker, Git, Github, Linux.

**Development Frameworks:** Haven't studied yet, but i'm open for a frontend formation

**Cybersecurity skills:** Data breach prevention, Cyber Defense Strategy

**Soft skills:** Critical thinking, time management, ruthless work ethic with enough emotional intelligence.

## Certifications and Awards

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**Talent Scout Project 2017 Winner:** Top 1 Istitute ranking — Top 10 Provincial Ranking of Cremona, Italy

**U.O.C. Networks and Computer security Training course** Open badge

## Experience

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### ETIPACK SPA

High school internship

*Electronic technician*

Cremona, Italy

- Electrical wiring of sorting machines or labeling machines, intended for the industrial field.
- Mechanical design of machine parts using CAD software(Solidworks).

### BOSCH VHIT SPA

Summer internship

*Quality control*

Cremona, Italy

- Product inspection: Control and sampling of microchips on finished or in-process products.
- Documentation and reporting of test results on product quality.

## Projects

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### Warehouse management software | Java

- Software developed during the Java programming exam.  
**Source code link:** [www.github.com/armandoahir/Warehouse-manager](https://www.github.com/armandoahir/Warehouse-manager)

### Barter management System | Java

- A group project for "software engineering" course. focused on the developement and refactoring (to adapt it with standard design patterns) of a software that manages bartering between two entities: a provider and a customer.  
**Source code link:** [www.github.com/armandoahir/BarterManagementSystem](https://www.github.com/armandoahir/BarterManagementSystem)

### Bluetooth Liquid Controller | C++ for Arduino/ESP32

- Digital electronic systems project. Coding and wiring of a liquid balance watchdog.  
**Source code and prototype link:** [www.github.com/armandoahir/ESP32-LiquidControllerBT](https://www.github.com/armandoahir/ESP32-LiquidControllerBT).

### Minimal OS scheduler | OS for embedded systems

- A minimal Linux scheduler with sched-ext written in C.  
**Source code:** Currently work in progress.