

ABED ALRAHMAN BARAKAT

Software Developer

● CS @ Politecnico di Milano — open to internships

SELECTED PROJECTS

- 01

Soresina Mercati

2025

Stall-booking platform for the Pro Loco of Soresina, running in production: interactive map, waitlists and an admin dashboard. Booking integrity enforced at the database level (RLS), with GDPR compliance and audit logging.

Next.js · Supabase · PostgreSQL · Leaflet
- 02

Adaptive Equity Trading Lab

2025

Quantitative research lab with reproducible experiments: data gates, out-of-sample validation, realistic transaction costs and Deflated Sharpe Ratio.

Python · pandas · Streamlit
- 03

Cephalometric Landmark Detector

2024–25

Classical computer-vision pipeline detecting cephalometric landmarks on X-rays, with a Procrustes shape model and MRE/SDR evaluation on labeled data.

C# · EmguCV · OpenCV
- 04

Java Chess RMI

2024

Desktop multiplayer chess with a rules engine built from scratch (checkmate, castling, legal moves) and game state synchronized over Java RMI.

Java · Swing · RMI

EXPERIENCE

- Software Developer — Internship**

Jun–Jul 2024

Myco, Milan (remote)

Designed a REST API and built an email-sending application; version control and remote collaboration.
- Warehouse Operator**

Jul–Sep 2024

Didagologica, Soresina

Independent goods handling following precise logistics procedures; certified electric pallet-truck operator.

AB

CONTACT

abedbarakat.me
github.com/PerfectPoH
abed@abedbarakat.me
Crema (CR), Italy

EDUCATION

- Politecnico di Milano**

BSc — Computer Science and Engineering

2025 — present
- ITIS Galilei, Crema**

Technical Diploma — Computer Science & Telecom.

2020 — 2025 · **92/100** (EQF 4)

CERTIFICATIONS & COURSES

Cisco CCNA (2023)
Statistics — Università Bicocca (2024)

VOLUNTEERING

Civil Protection — CPPC basic course (2024)

SKILLS

- Languages
Java · Python · C/C++ · C# ·
JavaScript · SQL
- Web
Next.js · Supabase · Tailwind ·
HTML/CSS
- Other
OpenCV/EmguCV · .NET · Godot · Git ·
Linux

LANGUAGES

Arabic	native
Italian	fluent
English	B2
German	basic
Mandarin	learning

INTERESTS

Foreign languages, reading, drawing.