

# Yassine Gourram

Software Engineer | Full-Stack Developer | AI Enthusiast

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## Education

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### University of Milan

*MSc in Computer Science*

*Milan, Italy*

*Expected June 2027*

- Current GPA: 29.5/30 (4.0/4.0).
- Specialization in Artificial Intelligence and Data Science.
- Currently enrolled in a Master's degree with flexible scheduling, allowing for full-time professional commitment.

### University of Milan

*BSc in Computer Science*

*Milan, Italy*

*Oct 2021 – Feb 2025*

- Thesis: Optimization of autonomous vehicle using 5G, DSRC and Machine Learning techniques.

## Experience

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### Associate Software Engineer

*Milan, Italy*

*PricewaterhouseCoopers (PwC)*

*Mar 2025 – Aug 2025*

Contributed to the backend development of a Wealth Management system for a major Italian banking group.

- Collaborated on the migration of legacy services to a microservices architecture using Java Spring Boot, focusing on code maintainability and scalability, within an event-driven ecosystem utilizing Apache Kafka for data synchronization.
- Developed interactive financial dashboards in Angular, enabling advisors to visualize complex portfolio analytics.

## Projects

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### Multi-Agent Negotiation Arena

Simulation framework exploring behavioral dynamics in AI agents.

- Engineered a modular Python framework integrating LLMs and advanced Prompt Engineering to define distinct agent personas.
- Built an NLP analytics pipeline using S-BERT for semantic convergence and VADER for sentiment tracking to analyze negotiation strategies.

### GamesToShare

Full-stack web platform for video game library sharing.

- Designed and developed a full-stack platform using Next.js (SSR/SEO), PostgreSQL, Prisma ORM, and TailwindCSS, enabling scalable user-driven game library sharing.

### SNM (Social Network for Music)

Music sharing platform with custom Spotify API client integration.

- Implemented token-based authentication with JWT and REST API architecture following MVC design patterns with Node.js, Express.js and MongoDB.

## Skills

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**Languages:** Java, Python, TypeScript, JavaScript, SQL, C++, PHP, Go

**Technologies:** Spring Boot, JPA/Hibernate, Kafka, Angular, React, Next.js, PostgreSQL, Oracle, MongoDB

**Tools:** Git, AWS, Vercel, Docker, ArgoCD, Prisma, Linux, Postman, VS Code