

# AMINE IBENHAMADA

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## Education

**Philipps-Universität Marburg**, Germany

Sep 2024 - Present

MSc in Computer Science

**ESPRIT**, Tunisia

Sep 2022 - Present

Software Engineering

**ISSAT**, Tunisia

Sep 2020 - Jun 2022

Integrated Engineering Preparatory Cycle (Mathematics, Physics and Computer Science)

## Internships

**Software/DevOps Intern – NextStep IT**

Jun 2024 - Sep 2024

- Designed and deployed a Kubernetes-based ticketing system for 1,000+ users.
- Automated CI/CD pipelines with Jenkins, Docker, and Python, reducing deployment time by 40%.
- Configured real-time monitoring with Prometheus and Grafana, enabling proactive resolution.
- Conducted OWASP ZAP audits, identifying 15+ vulnerabilities.
- Integrated Active Directory authentication, enabling Single Sign-On (SSO).

**Software Engineer Intern – Aetech-Solutions**

Jun 2023 - Aug 2023

- Developed a full-stack inventory app with Angular and Spring Boot, optimizing API performance by 30%.
- Implemented RBAC for 500+ users, ensuring secure access.
- Executed 20+ load tests with JMeter, validating scalability for 10,000 users.
- Automated backend tasks with Python, enhancing efficiency.

## Projects

**VitaNova (Spring Boot, Angular, MySQL, Python)**

2024

- Created an AI-driven e-Commerce platform for 1,000+ products, delivering personalized experiences.
- Utilized Spotify API for music recommendations, increasing engagement by 20%.
- Implemented REST APIs and CI/CD pipelines, ensuring seamless delivery.
- Deployed on AWS Elastic Beanstalk for scalability.

**Library Manager (Flutter, Firebase, Python)**

2024

- Developed a library management app, syncing 1,000+ records in real-time with Firestore.
- Optimized database queries, cutting processing time by 25%.
- Integrated Python scripts for data migration, ensuring consistency.

**EcoArt (Java, Symfony, Python)**

2023

- Designed a social commerce platform promoting eco-friendly products, boosting interaction by 15%.
- Integrated secure payment systems, ensuring PCI DSS compliance.
- Added a social feed and messaging, enhancing user engagement.

## Skills

**Programming Languages:** Java, Python, C, PHP, Dart, TypeScript

**Frameworks:** Spring Boot, Symfony, Angular, Flutter

**Tools:** Kubernetes, Docker, Jenkins, GitHub, Maven, IntelliJ, MySQL Workbench

**Methodologies:** Agile, FinTech

**Languages:** English (fluent), French (moderate), Arabic (native), German (beginner)

## Social Experience

**Securinets (2022-2023):** Organized weekly cybersecurity training and participated in Capture the Flag events.

**CyberTrace (2020-2022):** Led hackathons and promoted ethical hacking awareness.

**Red Crescent (2019):** Coordinated disaster relief efforts, aiding 200+ families.

## Interests

**Literature:** Enthusiastic about 19th and 20th-century classics, exploring themes in novels and philosophy.

**Gaming:** Enjoy competitive gaming and strategic challenges, fostering teamwork and critical thinking.

**Sports:** Active in football and running, emphasizing physical fitness and teamwork.