



# MOHAMED AMINE GUESMI

Cité Olympique – Tunisia

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## Education

National Institute of Applied Science and Technology (INSAT)

Sep. 2020 – Present

*Software Engineering*

Mathematics Tunisian Baccalaureate

2020

Score: 17.65

## Relevant Coursework

- |                        |                       |                          |                    |
|------------------------|-----------------------|--------------------------|--------------------|
| • Data Structures      | • programming         | • Devops/devsecops       | • big data         |
| • Software Methodology | • Database Management | • language theory        | • Ux/ui design     |
| • Competitive          | • Deep Learning       | • Mobile/web development | • software testing |

## Experience

Nexaminds

Tunisia

*Mobile Developer*

August 2023 – Present

- **Developed** a production-ready mobile app with **complex logic** and **60%** animations.
- **Resolved** critical bugs and performance issues, boosting app stability and user experience by **10%** per integration.
- **Transitioned** from MVVM to clean architecture, improving maintainability and scalability with **95%** separation of concerns.
- **Achieved 60%** test coverage with Flutter's testing framework, ensuring *code quality* and *reliability*.

Nexaminds

Tunisia

*DevOps Engineer - Internship*

June 2024 – September 2024

- **Optimized** web application infrastructure, increasing stability and scalability by **30%**.
- **Streamlined** CI/CD pipelines, reducing build times by **40%** for faster, more efficient deployments.
- **Automated** AWS provisioning with Terraform, cutting setup time by **70%** and enhancing efficiency.
- **Enhanced** mobile app testing and CI pipelines with Fastlane, achieving a **50%** reduction in release times and boosting deployment reliability.

Lovester: Dating App

Tunisia

*Mobile Developer - Internship*

June 2023 – August 2023

- **Created** features in Flutter, leading to a **20%** increase in user engagement through improved UI/UX design.
- **Refined** state management and **MVVM architecture**, resulting in a **15%** decrease in app crashes and enhanced performance.
- **Gained** hands-on experience in a **professional setting**, collaborating with over **10** developers and designers on a high-impact project.

## Projects

PeaceLink – Droiday Competition | *Flutter, Provider, Firebase*

- Developed an app for donations (money or food) during disasters or wars, providing a platform for idea-sharing.
- Built with Flutter and Express.js , enhancing performance and user satisfaction by **30%**.

CareLink | *Flutter, Provider, Kotlin*

- Displayed health metrics from smart devices with **90%** accuracy, including an embedded smartwatch application .

Grocery App – End-Year Project | *Flutter, GitHub Actions, Unit Test, TypeScript, Python, Go, Terraform, Kubernetes*

- **Led** a project with **3 microservices** and **one mobile app**, integrating deployment pipelines and implementing unit and integration tests with **80%** coverage to ensure consistent code integrity.

## Technical Skills

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**Languages:** C/C++, Java, Python, JS, Typescript, Dart, C#, Kotlin

**Frameworks:** React, NestJs, Angular, Flutter

**Relational and Non-Relational Databases:** SQL, MongoDB, Cassandra, Firestore

**DevOps:** AKS, ACR, Docker, Helm, Terraform, GitHub Actions, Gitlab, Git, Grafana, Prometheus

**Competitive Programming:** C++, Python

## Volunteering / Leadership

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### INSAT Android Club

2023 – 2024

*President*

*INSAT*

- **Managed** INSAT Android Club and **organized** workshops and competitions.

### INSAT Android Club

2023 – 2024

*Mobile Trainer - Flutter*

*INSAT*

- **Established** a mobile development **community** at the university, including more than **30 INSAT students** from each education level.
- **Organized** workshops on programming, leading over **8 projects** that facilitated peer learning and collaboration, and strengthened my ability to convey complex technical concepts.

### INSAT Android Club

2022 – 2023

*Organization and Logistics Manager*

*INSAT*

- **Coordinated** and **organized** the hackathon event "DroiDay" that held more than **40** participators and provided the technical supplies by collaborating with more than 5 societies and organizations.

## Certifications

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### Student Entrepreneur – Carthage Universities

2023 – 2024

- Received the title "Student Entrepreneur" for creating a full project and pitching it in front of a group of teachers from different universities.

### Office Academy 2.0 – JCI

2023 – 2024

- **Participated** in events that enhanced team collaboration and communication, leading to more efficient project execution and successful completions.

### DroiDay - INSAT Android Club

2022 – 2023

- Participated in the mobile application hackathon "DroiDay" and won **first place** with our app called "PeaceLink".

### IEEEExtreme – IEEE

2022 – 2023

- Participated in IEEEExtreme international competitive programming competition, achieving **8th place** nationally out of **200** teams and **422nd** worldwide out of **10000** teams.

## Interests

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**Technology:** Exploring new technologies and frameworks, especially in mobile app development and Devops : Currently studying for AWS Certified Developer - Associate .

**Sports:** Playing soccer, swimming, and powerlifting.