

# Chaden Ben Ammar

Looking for a 2-3 months internship in DevOps and DevSecOps.

Second-year Engineering Student in Teleinformatics.

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## MY VALUES

Curiosity, Respect, Sharing.

## EXPERIENCE

### ISIMM SUMMER INTERNSHIP | WEB DEVELOPER/DEVOPS

June 2024 – August 2024 | Monastir

<https://github.com/ChadenBA/SmarterleranerFRont>

- Contributed to the development of the **SmartLearner** educational platform.
- Implemented adaptive learning algorithms to tailor content to student profiles.
- Integrated the **Felder-Silverman** questionnaire to personalize the learning path.
- Created DevOps pipelines using **Docker** and implemented **CI/CD** processes.
- Technologies:** Fuzzy Logic, TensorFlow, Azure, Laravel, ReactTS, MySQL.

### INFRAPLUS

#### END-OF-STUDY INTERNSHIP | WEB DEVELOPER/DEVOPS

February 2023 – June 2023 | Tunis

<https://github.com/ChadenBA/TuniTour>

- Developed a web-based tourist guide application.
- Integrated the **ELK Stack (Elasticsearch, Logstash, Kibana)** for real-time data analysis and log visualization.
- Optimized logging with **Pino** and traffic monitoring via **NGINX**.
- Wrote over 100 unit and integration tests using **Jest** and **SuperTest**.
- Technologies:** Node.js, React, MongoDB, Docker.

## PROJECTS

### INVENTORY MANAGEMENT APP

<https://github.com/ChadenBA/InventoryApp>

- Developed an inventory management system with real-time updates and user roles.
- Implemented CI/CD pipeline automating tests, builds, and deployments.
- Detected vulnerabilities with **Trivy** and performed static analysis with **SonarQube**.
- Technologies:** Java, JavaFX, MySQL, Maven, Jenkins, Docker, Kubernetes Nexus.

### RECIPE MANAGEMENT APP WITH GRAFANA VISUALIZATION

<https://github.com/ChadenBA/Recipeapp>

- Developed a recipe management application with advanced search capabilities.
- Automated CI/CD deployment via **GitHub Actions**, including security scans.
- Integrated **Prometheus** and **Grafana** for monitoring.
- Orchestrated containerized deployment with **Kubernetes** for scalability.
- Technologies:** Java, Docker, GitHub Actions, Trivy, Nexus.

### STRESS AND MENTAL HEALTH PREDICTION APP

<https://github.com/ChadenBA/SoulSpringFront>

- Developed an application for predicting stress and mental health issues.
- Used **Decision Trees** and **Linear Regression** for predictive modeling.
- Wrote unit tests with **Jest** and integration tests with **SuperTest**.
- Automated deployment with **GitHub Actions**.
- Technologies:** ReactTS, Node.js, MongoDB, Jest, GitHub Actions.

## EDUCATION

### Higher Institute of Computer Science and Communication Technologies of Sousse

NATIONAL ENGINEERING DEGREE IN TELECOMMUNICATIONS AND COMPUTER SCIENCE

2024 – Present | Sousse

### Higher Institute of Computer Science and Mathematics of Monastir

BACHELOR'S DEGREE IN SOFTWARE ENGINEERING

2020 – 2023 | Monastir

### 18 January High School, Djebeniana

BACCALAUREATE IN MATHEMATICS

2016 – 2020 | Sfax

## SKILLS

**DevOps Tools (Automation):** Docker, Jenkins, GitHub Actions, Kubernetes, Ansible

**DevOps Tools (Monitoring):** Nexus, ELK Stack, Grafana, InfluxDB, Prometheus

**Security:** Fortinet, Penetration Testing, Snypk, Nikto, ZAP, Trivy, SonarQube

**Cloud:** Azure, AWS

**Testing Frameworks:** Jest, SuperTest, Postman, JUnit5

**Web Development:** Node.js, Express, React, Bootstrap

**Programming Languages:** Java, JavaScript, TypeScript, Python

**Databases:** MySQL, MongoDB, Elasticsearch

## ACHIEVEMENTS AND

## PARTICIPATION

### NUIT DE L'INFO 2024

1<sup>st</sup> place — "Exploring Invisible Flows" Challenge (ALLUCOConfortAluminium)

2<sup>nd</sup> place — "The Mysterious Assistant" Challenge

Collaborated in teams to solve technical challenges within a time limit

## HOBBIES

Gardening, Baking, Foreign cuisine, Reading.

## LANGUAGES

**Arabic:** Native Speaker

**French:** Intermediate (B2)

**English:** Fluent