

# KHALIL ASKRI

Tunis, Tunisia

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## Professional Summary

Motivated Software Engineering student with a solid foundation in full-stack development and a growing interest in DevOps practices. Experienced in building practical solutions through academic projects and internships. Proficient in modern web technologies including Angular, React, Spring Boot, and Python, with hands-on experience in database management and API development. Certified in networking (Cisco) and AI technologies (NVIDIA). Eager to contribute technical skills, problem-solving mindset, and adaptability to innovative software development projects.

## Core Competencies

**Programming Languages:** Python, JavaScript, Java, C, PHP, Kotlin

**Frontend Technologies:** Angular, React, HTML5, CSS3, TypeScript

**Backend Frameworks:** Node.js, Express.js, Spring Boot, Django, Symfony

**Databases:** MongoDB, MySQL, PostgreSQL, Firebase, Neo4j, Oracle

**Tools & Platforms:** Git, Docker, RESTful APIs, Microservices, Power BI, Talend

**Data Science:** Pandas, NumPy, Matplotlib, BeautifulSoup, Scrapy

## Education

### Higher Institute of Applied Sciences and Technology

2023 – 2026

*Engineer's Degree in Software Engineering*

Sousse, Tunisia

- **Relevant Coursework:** Software Engineering, Algorithms & Data Structures, System Design, Advanced Databases, Networking & Data Transmission, Operating Systems, Computer Architecture

### Faculty of Economic Science and Management of Mahdia

2020 – 2023

*Business Intelligence Degree*

Mahdia, Tunisia

- **Relevant Coursework:** Data Visualization, Business Analytics, Database Management, Data Mining, Statistical Analysis

## Experience

### SIGA

June 2025 – August 2025

Tunis, Tunisia

*Software Development Intern*

- Engineered enterprise project management platform serving as centralized organizational resource
- Implemented enterprise authentication with OAuth2/JWT and role-based security measures
- Optimized database schemas for high-performance data operations
- Containerized application stack enabling multi-environment deployment

### SAN S.A

June 2024 – August 2024

Remote

*Software Development Intern*

- Developed farm management application optimizing operations and resource management
- Built full-stack solution increasing operational efficiency by 30%
- Implemented database design and RESTful API architecture for data management

### VERNICOLOR GROUP

February 2023 – June 2023

Nabeul, Tunisia

*Business Intelligence Developer Intern*

- Developed business intelligence solution analyzing production data and purchase control
- Performed data cleaning and exploratory analysis identifying key trends and insights
- Created interactive dashboards enabling data-driven decision-making

## Projects

### Academic Scheduling System | Django, Python, Algorithms

- Implemented scheduling algorithm optimizing teacher assignments based on qualifications and availability
- Improved resource utilization by 15% through efficient assignment logic and constraint management
- Developed within Django application framework handling complex scheduling constraints

### Library Management Application | Java, Spring Boot, REST APIs

- Developed full-stack application implementing CRUD operations and role-based access control
- Designed clean RESTful architecture with secure authentication and authorization systems
- Built using Spring Boot framework with modular service-oriented design patterns

### Microservice Communication System | Spring Boot, Microservices, API Design

- Built microservice-based system for product management services enabling efficient data exchange
- Implemented modular service design allowing independent deployment and scalability
- Designed inter-service communication protocols for seamless data synchronization

## Certifications

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Generative AI with Diffusion Models - **NVIDIA**

Fundamentals of Deep Learning - **NVIDIA**

DevNet Associate - **Cisco** Networking

Application of AI for Predictive Maintenance - **NVIDIA**

CCNA2: Switching, Routing, and Wireless Essentials - **Cisco** Networking

CCNA1: Introduction to Networking - **Cisco** Networking

Backend Development APIs - **freeCodeCamp**

Fundamentals of Digital Marketing - **Google**

## Leadership / Extracurricular

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### ARSII

2024 – Present

*Angular Trainer*

*Higher Institute of Applied Sciences and Technology of Sousse*

- Deliver interactive training sessions on the Angular framework to club members.
- Guide and mentor students through hands-on projects to strengthen their practical development skills.

## Additional Skills

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**Languages:** Arabic (Native), English (B2), French (B2)

**Soft Skills:** Project Management, Team Leadership, Problem-Solving, Time Management, Agile Methodologies

**Interests:** Graphic Design, UI/UX Design, Open Source Contributions