# Yasser Chouket

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## Education

**National Institute of Applied Science and Technology (INSAT)**       **Tunis, Tunisia**
*Software Engineering*       Expected Graduation: **Sep 2028**

## Projects

**Virtual Interview Coach**       **Next.js | Agentic AI**

- Developed an interactive frontend using **Next.js**, enhancing the user experience with a seamless and dynamic interface.
- Collaborated with a team to integrate backend systems with the frontend, ensuring seamless data flow and optimal user experience.
- Implemented **CrewAI agents** for personalized coaching, reducing response delay by **30%** and increasing user satisfaction scores.

**Patient Management System**       **Spring Boot | React | PostgreSQL**

- Designed and developed a robust Patient Management System to enhance patient data accessibility and operational efficiency.
- Implemented **RESTful APIs** for seamless data exchange, reducing loading times by **30%**.
- Optimized backend processing, enhancing system reliability and improving response time for critical data retrieval.

**Data Warehouse**       **SQL Server| ETL | Data Modeling**

- Designed a Modern **Data Warehouse** using **Medallion Architecture** to structure raw, cleansed, and analytical data.
- Integrated and cleansed sales data, resolving quality issues to ensure accurate insights for **business intelligence** dashboards
- Optimized **SQL** queries and indexing, reducing data retrieval times by **50%**, enabling real-time analytics.

## Leadership

**ACM INSAT**

- **Logistics Manager**       **Nov 2024**
  Successfully managed logistical operations for a competitive programming competition, ensuring seamless coordination and event execution.

## Skills

**Programming Languages:** Python, Java, SQL, HTML5, CSS, JavaScript, PHP, C++, C
**Developer Tools:** AWS, Postman, PowerBI, Tableau, Git, Docker, Linux
**Libraries/Frameworks:** Spring Boot, ReactJS, PostgreSQL, NextJS, Django, Flask, TensorFlow, PyTorch