

Sfar Adam

Software Engineering Student — AI & Quantum Computing Enthusiast

PERSONAL DETAILS

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EDUCATION

Philipps University of Marburg, Germany <i>International Student — Engineering & Research Studies</i>	2024–Present
ESPRIT (Private Engineering School), Tunisia <i>Engineering Student — Software Engineering Track</i>	2021–Present
Sadikia's College <i>Bachelor's Degree in Mathematics</i>	2021

TECHNICAL SKILLS

Programming Languages

- **Python:** Scripting, automation, data processing, AI model integration
- **JavaScript & TypeScript:** Interactive and scalable frontend applications
- **Java:** OOP concepts and software architecture
- **C & Bash:** Systems programming and shell scripting

Web Development

- **Frontend:** React, HTML5, CSS3, Responsive UI Design, TailwindCSS
- **Backend:** Node.js, Express.js, RESTful API design
- **Real-time:** Socket.IO, WebSockets, API integration

Databases

- **Time Series:** InfluxDB with Telegraf for monitoring
- **Relational:** MySQL/MariaDB, Oracle 12c/12g
- **NoSQL:** MongoDB for document-based storage

Cloud & DevOps

- **Containerization:** Docker, Docker Desktop
- **Orchestration:** Kubernetes (beginner, actively learning)
- **Monitoring:** Grafana dashboards, data pipeline integration

AI & Quantum Computing

- **Machine Learning:** Supervised/unsupervised learning, anomaly detection
- **Quantum AI:** QKNN implementation, Qiskit framework
- **Mathematical Foundation:** Linear algebra, probability, statistics

Core Competencies

- Problem-solving methodologies and analytical thinking