

SAMI ASKRI

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Computer Science Engineering student with experience in software development and DevOps, currently working as a Software Engineer Intern at Siemens on C++, Python, and React-based systems. Actively seeking a software engineering, DevOps or AI internship for Summer 2026, for a minimum duration of 9 weeks.

EDUCATION

CPE Lyon - Computer Science engineering degree - 4th year

Sep 2024 - 2027

- Specialized in development / Data / AI
- DevOps/ Object-oriented programming / Design Patterns / databases / cybersecurity / OS and concurrent programming in C / Data structures and algorithms in Python / IoT

Les Chartreux - Lyon : Intensive Preparatory Program in Mathematics and Physics

2022 - 2024

- Selective two-year post-secondary program preparing for entrance to French engineering schools.
- Advanced Mathematics and Physics
- Use of Python to run simulations and calculations

WORK EXPERIENCE

Software Engineer Intern (Apprenticeship Program)

Sep 2024 - Present

Siemens Industry Software SAS - Lyon

- Developed and extended MBSE software features using C++, Python, and SysMLv2.
- Implemented ActionFlowView modeling for both desktop (Qt/C++) and web (Python/React) applications.
- Worked on state machine simulation across backend and frontend components.
- Collaborated with cross-functional teams to improve system visualization and usability.

PROJECTS

DevSecOps Lead — Firefighting Station Web Application: [🔗](#)

- Designed and maintained secure CI/CD pipelines for a web application developed from scratch.
- Integrated security practices into the development and deployment workflow.
- Supported the full development lifecycle, from initial design to production.

Sport and nutrition guide (mobile app): [🔗](#)

- Developed a cross-platform mobile app using Flutter
- Integrated Firebase database for user data management
- Designed features for workout planning and nutrition tracking

SKILLS

• Technical Skills:

Languages: C, C++, Python, Java, JavaScript, TypeScript, Dart
Frameworks: React, Flutter

DevOps & Tools: Docker, Kubernetes, GitLab CI/CD, Jenkins, Ansible, Terraform

Databases: MySQL, Firebase

Cloud & Systems: Linux, AWS

Engineering: MBSE, SysMLv1/v2

• Languages: English, French, Arabic

EXTRA-CURRICULAR ACTIVITIES

Basketball university club

Gym