

Jad SAAB

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SUMMARY

Fifth-year Computer and Communications Engineering student at Antonine University, specializing in Software Engineering. Aspiring AI Engineer with hands-on experience in building LLM-powered products, RAG pipelines, and multi-agent systems. I am detail-oriented and hardworking, with a strong commitment to learning and growth. I am currently seeking an internship or entry-level role to apply my technical knowledge, contribute to real-world projects, and further develop my skills.

EDUCATION

Antonine University, Lebanon

Bachelor of Engineering in Computer and Communications Engineering (2021–Present).

- Focus on Software Engineering | Expected Graduation: 2026.

EXPERIENCE

AI and Machine Learning Track Inmind.ai Academy

July 2025 – August 2025

- Developed Retrieval-Augmented Generation (RAG) pipelines and NLP models (BERT, GPT, LangChain) for advanced text processing.
- Built and maintained multi-agent workflows and chatbot systems focusing on tool-calling.
- Developed and deployed scalable production-grade systems using FastAPI and REST APIs within containerized microservices (Docker).
- Deployed scalable MLOps cycles, including version control via Git and CI/CD.
- Utilized PyTorch and Keras to build deep learning models for computer vision tasks.
- Applied AI-driven simulations in NVIDIA Omniverse Isaac Sim for robotics and digital environments.

IT Intern SNA Lebanon – Head Office, Hazmieh

July 18, 2024 – October 18, 2024

- Configured and maintained network infrastructure (switches, routers, VPNs).
- Monitored system performance and assisted in cybersecurity and IT maintenance.
- Troubleshoot issues and optimized IT solutions in collaboration with the team.

CERTIFICATIONS

- CCNAv7: Switching, Routing, and Wireless Essentials (Cisco) – 2023.
- CCNAv7: Introduction to Networks (Cisco) – 2022.

PROJECTS

- **AI Multi-Agent Fitness System:** Developed a FastAPI system using an Orchestrator to route queries between a LangChain RAG agent (FAISS/Google Embeddings) and a Google ADK Nutrition agent (USDA dataset), integrated via MCP Server with Langfuse observability and SQLite token-usage tracking.
- **Advanced Programming & Security:** C#, .NET Core, Entity Framework Core, MySQL, Authentication, RBAC, session management, audit logging, encryption, SQL injection prevention, secure file handling, penetration testing.
- **Software Development:** Student Information System (JavaFX, JDBC, MySQL, CRUD), Library Management API (Java, Spring Boot, MongoDB, REST & CRUD), implementing robust database architectures for data operations, Interactive Dictionary (C++, Data Structures).
- **Full-Stack Web:** Laravel, PHP, HTML, CSS, JavaScript.
- **Data Automation:** Developed data scraping and network tools using Python, Selenium, and BeautifulSoup, focusing on API integration and automated workflows.
- **Mobile Development:** Android (Java), Firebase (Cloud DB, Authentication).
- **IoT Sensor Monitoring:** Engineered real-time data pipelines for sensor tracking using Python and Raspberry Pi.

SKILLS

- **AI & ML Tools:** LangChain, LangGraph, Langfuse, Scikit-learn, Feature Engineering, Pandas, Pydantic, RAG Pipelines, MCP Server, Google ADK, PyTorch, Keras, NLP.
- **Programming:** Python (Advanced), Java, C#, C++.
- **Frameworks:** FastAPI, Spring Boot, Laravel, Node.js, React.
- **Databases:** MongoDB, PostgreSQL, MySQL, PL/SQL, FAISS.
- **DevOps & Data:** Docker, CI/CD, Git/GitHub, Apache Spark.

SOFT SKILLS

- Communication
- Problem Solving
- Teamwork
- Time Management

LANGUAGES

- Arabic: Native
- English: Fluent
- French: Professional Understanding