

Anas Ben Amor

+216 55 517 654 — [✉ anas.benamor@supcom.tn](mailto:anas.benamor@supcom.tn) — [in Anas Ben Amor/](https://www.linkedin.com/in/AnasBenAmor/) — [🌐 https://github.com/AnasBenAmor10](https://github.com/AnasBenAmor10)

Summary — I am a **final year student** pursuing a degree in ICT Engineering at **SUP'COM**. I am particularly interested in Data Engineering, with a focus on leveraging **DevOps tools** and I am seeking a **6-month** internship opportunities.

Education

Higher School of Communication of Tunis **September 2022 - Present**
Relevant Coursework: Big data, cloud computing, DevOps, Computer Vision, Data Engineering and networking

Preparatory Institute for Engineering Studies of Monastir **2020 - 2022**
National Engineering School Entrance Exams : Physics and Technology - Rank: 16/690

Professional Experience

• **Sagemcom - Tutored Project** **September 2024 - January**
Data augmentation Strategy To Enhance Load Disaggregation Models **Tunis - Hybrid**
Keywords : Machine learning, Deep learning, Python, Tensorflow, ONNX, GRU, GANs

- Developed a data augmentation solution using Deep learning and GANs for load disaggregation.
- Enhancing and optimize device detection and energy management.

• **Orthlane - Summer Internship** **July 2024 – August 2024**
Design and Development of a Custom Chatbot based on the RAG Method **Paris - Remote**
Keywords : Langchain, AzureOpenAi, LlamaParse, Pinecone, Streamlit, Nifi, Docker, SpiderCloud

- Built a RAG chatbot with Azure OpenAI and LangChain to provide fast, personalized patient support and ensure seamless and instantaneous interaction with clients.
- Managed data flows using Apache NiFi to enhance data integration and flow efficiency.
- Improved PDF parsing quality and speed, and enhanced storage quality by optimizing parsing according to PDF formats.

Academic & Personal Projects

• **Smart House Monitoring System** **November 2024 - January 2025**
Keywords: Jakarta, PWA, Raspberry Pi4, Azure VM, MLOps, Wildfly, MongoDB, MQTT, HiveMQ, OAuth2.0, Jenkins

- Developed a secure IoT-based system for real-time home monitoring and security automated by Jenkins.
- Implemented computer vision in Raspberry Pi for intrusion detection.
- Real-time resource data stored in MongoDB and visualized via PWA with TLS and OAuth2-based authentication.

• **Real-Time Air Quality Monitoring and Prediction** **November 2024 - December**
Keywords: Lambda, Amazon S3, SageMaker, Kinesis Firehose, Grafana, EC2, Aws Glue, Redshift, SNS

- Developed a real-time AWS-based air quality dashboard Grafana with forecasting and LLM-driven insights.
- Built pollution forecasting model in SageMaker.
- Real-time data in Redshift and long-term data in S3/Glue.

• **Real-Time Flight into Data Pipeline** **January 2024 – May 2024**
Keywords: Kafka, Spark, Elasticsearch, Kibana, Docker, GitHub Actions, Azure

- Designed and implemented a real-time flight tracking data pipeline using Kafka, Spark, Elasticsearch, and Kibana.
- Integrated GitHub Actions for CI/CD to automate testing and deployment.
- Deployed the project on Microsoft Azure for cloud-based scalability and performance.

Skills

Generative AI LangChain, Llama, AzureOpenAi
Database Pinecone, MongoDB, MySQL, PostgreSQL
Languages Python, JavaScript, Java, SQL

DevOps Jenkins, Sonarqube, Kubernetes, Helm, Argo CD
Data Engineering Kafka, Spark, NiFi, Flink, Logstash, Airflow
Cloud Aws Glue, S3, IAM, Lambda, EC2, Kinesis Data Stream

Volunteer Experience & Organisations

IEEE Sup'Com Student Branch **May 2023-June 2024**
HR Manager for the Wie SUP'COM Affinity Group

- Developed strong **organizational** and **leadership** skills, enhancing the ability to **manage tasks and projects** effectively