

Mohamed Aziz Ben Slima

Data Science Student

Manouba, Tunisia | +216 51 163 296 | mohammedaziz.benslima@esprit.tn
LinkedIn | GitHub

PROFILE

Analytical and results-driven Data Science student with hands-on experience in machine learning, deep learning, AI, ETL pipelines, and business intelligence. Eager to begin an end-of-study internship to apply my skills on real-world projects while exploring and adopting new technologies in a professional environment.

EXPERIENCE

- | | | |
|---|-----------------------------------|----------------------------|
| Data Analytics Intern | <i>Tunisie Telecom, Tunis</i> | <i>Jul 2025 – Sep 2025</i> |
| <ul style="list-style-type: none">Optimized ETL pipelines for SOS credit transactions, reducing processing time.Developed interactive Power BI dashboards that accelerated operational decision-making.Built churn prediction models with 87% accuracy, supporting retention of high-risk clients. | | |
| AI Intern | <i>Première Consulting, Tunis</i> | <i>Jul 2025 – Aug 2025</i> |
| <ul style="list-style-type: none">Designed and deployed a multilingual legal chatbot, enhancing query resolution efficiency.Applied NLP techniques to improve legal query matching accuracy.Integrated dynamic database retrieval to ensure up-to-date and accurate responses. | | |
| Data Analytics Intern | <i>Attijari Bank, Tunis</i> | <i>Jun 2024 – Aug 2024</i> |
| <ul style="list-style-type: none">Built ETL pipelines using Talend, improving data quality and reducing errors.Created dashboards and reports in Power BI, enabling faster trend analysis and business insights.Collaborated with cross-functional teams to optimize workflows and deliver actionable insights. | | |

EDUCATION

- | | | |
|---|---------------|---------------------------|
| ESPRIT School of Engineering | <i>Ariana</i> | <i>Sep 2021 – Present</i> |
| Computer Science Engineering (Data Science major), specializing in software engineering, advanced databases, machine learning & deep learning, and AI & LLMs. Hands-on experience building data-driven solutions. | | |

PROJECTS

- | | |
|---|----------------------------|
| Deep Learning Project – Model Development and Evaluation | <i>Sep 2025 – Oct 2025</i> |
| <ul style="list-style-type: none">Developed and trained deep learning models using Python and TensorFlow/PyTorch with data augmentation.Deployed models with integrated pipelines, providing actionable insights through visualizations. | |
| Emotional Speech Data Generation with VAE and Diffusion Models | <i>May 2025</i> |
| <ul style="list-style-type: none">Built a PyTorch pipeline to generate emotional speech using VAE and diffusion models.Validated synthetic data with a ResNet-50 classifier, achieving 98.3% accuracy on RAVDESS and EmoDB datasets. | |
| Cancer Detection Using Deep Learning Techniques | <i>Feb 2025</i> |
| <ul style="list-style-type: none">Developed a CNN for multi-class medical image classification with custom augmentation and optimization.Implemented training-validation pipelines to improve accuracy and generalization on real-world datasets. | |
| Data Science Project – Customer Loyalty & Business Insights | <i>Nov 2024 – May 2025</i> |
| <ul style="list-style-type: none">Analyzed customer behavior and built predictive models in Python to optimize loyalty programs.Developed a multimodal agent integrating dashboards, reports, and predictive insights for decision-making.Created Power BI dashboards to uncover key business insights and support strategic actions. | |

SKILLS

- ML & Deep Learning:** Supervised & Unsupervised Learning, CNN, RNN, ANN, GNN, Transformers.
- Natural Language Processing:** Text Mining, Sentiment Analysis, NER, RAG, LLMs, LangChain, LangGraph.
- Programming & Frameworks:** Python, R, Java, JavaScript, PHP, C, C++, C#, SQL, PL/SQL, FastAPI.
- Databases:** MySQL, MongoDB, OracleDB, Vector DBs (FAISS, Chroma).
- MLOps & DevOps:** MLflow, Docker, TensorBoard, Git, GitHub Actions, GitLab CI/CD.
- Data Engineering:** Data Pipelines, ETL, Apache Spark, Feature Engineering.
- Visualization & BI:** Power BI, Tableau, Matplotlib, Seaborn, Plotly, Data Warehousing, Excel.
- Soft Skills:** Problem-Solving, Communication, Team Collaboration, Leadership, Adaptability, Analytical Thinking.

EXTRA-CURRICULAR ACTIVITIES

- | | |
|--|----------------------------|
| Vice-Chair, IEEE Robotics & Automation Society ESPRIT SB | <i>Mar 2024 – Mar 2025</i> |
| <ul style="list-style-type: none">Organized Many events and managed chapter activities to promote robotics and automation. | |
| Team Member, AIESEC Bardo | <i>Oct 2023 – Jul 2024</i> |
| <ul style="list-style-type: none">Contributed to youth leadership initiatives and supported local project execution. | |

LANGUAGES

Arabic: Native	French: Intermediate	English: Intermediate
----------------	----------------------	-----------------------