

# Mohamed Aziz Ben Slima

Data Science Student

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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

<b>Data Analytics Intern</b>	<i>Tunisie Telecom, Tunis</i>	<i>Jul 2025 – Sep 2025</i>
• 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.		
<b>AI Intern</b>	<i>Première Consulting, Tunis</i>	<i>Jul 2025 – Aug 2025</i>
• 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.		
<b>Data Analytics Intern</b>	<i>Attijari Bank, Tunis</i>	<i>Jun 2024 – Aug 2024</i>
• 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

<b>ESPRIT School of Engineering</b>	<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

<b>Deep Learning Project – Model Development and Evaluation</b>	<i>Sep 2025 – Oct 2025</i>
• Developed and trained deep learning models using Python and TensorFlow/PyTorch with data augmentation.	
• Deployed models with integrated pipelines, providing actionable insights through visualizations.	
<b>Emotional Speech Data Generation with VAE and Diffusion Models</b>	<i>May 2025</i>
• 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.	
<b>Cancer Detection Using Deep Learning Techniques</b>	<i>Feb 2025</i>
• 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.	
<b>Data Science Project – Customer Loyalty &amp; Business Insights</b>	<i>Nov 2024 – May 2025</i>
• 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

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

## EXTRA-CURRICULAR ACTIVITIES

<b>Vice-Chair, IEEE Robotics &amp; Automation Society ESPRIT SB</b>	<i>Mar 2024 – Mar 2025</i>
• Organized Many events and managed chapter activities to promote robotics and automation.	
<b>Team Member, AIESEC Bardo</b>	<i>Oct 2023 – Jul 2024</i>
• Contributed to youth leadership initiatives and supported local project execution.	

## LANGUAGES

Arabic: Native	French: Intermediate	English: Intermediate
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