

EDUCATION

ESPRIT school of Engineering (CGE Member)

Master's in Computer Science Engineering, Specialization in Data Science (with Honors)

Tunis, Tunisia

Oct 2024

SKILLS SUMMARY

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|---|---|
| • <b>Programming Languages:</b>             | Python, SQL, Java ,Scala ,R, Shell                            |
| • <b>Database Management Systems:</b>       | NoSQL(Mongo DB) , MySQL server , PostgreSQL                   |
| • <b>Big Data:</b>                          | Spark, Hadoop, Kafka ,Databricks                              |
| • <b>Data Analytics and Visualization :</b> | Power BI ,Pandas, NumPy, Tableau, Seaborn ,Matplotlib , Excel |
| • <b>ETL and Data Warehousing :</b>         | Airflow , Talend ,AWS Glue ,Azure Data Factory                |
| • <b>DevOps :</b>                           | CI/CD ,Docker, Git, Jenkins, Kubernetes , SonarQube.          |
| • <b>Machine Learning and AI :</b>          | TensorFlow, Keras, Scikit-learn , NLTK , Langchain            |
| • <b>Languages:</b>                         | Arabic(Native); French (C1) ,English (C1)                     |

EXPERIENCE

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| <div><div>Data Engineer &amp; Analyst</div><div><a href="#">Dassault Systèmes</a>   Paris, France</div></div> <div><ul style="list-style-type: none"><li>Developed a real-time streaming data pipeline that transferred data from a Data Lake to Data Factory, resulting in a 25% increase in data ingestion speed and improved processing efficiency.</li><li>Crafted and launched six real-time interactive dashboards using Data Perspective, enabling the visualization of critical data insights that informed strategic decisions for ongoing R&amp;D projects.</li><li>Fine-tuned Transformer models, enhancing its performance and response accuracy by 90% for a chatbot prototype.</li></ul></div> | <div>Feb 2024 – Jul 2024</div>  |
| <div><div>Data Scientist Intern</div><div><a href="#">ESPRIT-Tech</a>   Tunis, Tunisia</div></div> <div><ul style="list-style-type: none"><li>Implemented convolutional neural networks (CNNs) for an image denoising system, achieving high-performance noise reduction. Conducted accuracy evaluation across multiple noise models to optimize system effectiveness.</li></ul></div>   | <div>Jun 2023 – sept 2023</div> |

RELEVENT PROJECTS

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| <div><div>Data streaming pipeline   <a href="#">Link</a></div><div>Tools: [Airflow / Python / Kafka /Zookeeper / Spark / Cassandra / Docker]</div><div><ul style="list-style-type: none"><li>Optimized a data engineering pipeline that orchestrates the ingestion, processing, and storage of data. Containerization of components with Docker for easy deployment and scalability.</li></ul></div></div> <div><div>ETL pipeline for Twitter data extraction   <a href="#">Link</a></div><div>Tools: [Airflow / Python / AWS /S3 Bucket]</div><div><ul style="list-style-type: none"><li>Designed an ETL pipeline to extract data from Twitter, preprocess it, and load it into an AWS S3 bucket.</li></ul></div></div> <div><div>DevOps End-To-End Project   <a href="#">Link</a></div><div>Tools: [Jenkins / Nexus / Docker / Git / Spring boot / SonarQube / Prometheus / Grafana]</div><div><ul style="list-style-type: none"><li>Streamlined CI/CD for a Spring Boot backend by automating integration, enforcing SonarQube quality checks, deploying with Docker, and adding real-time monitoring via Prometheus and Grafana</li></ul></div></div> <div><div>COVID-19 Data Exploration with Tableau and SQL   <a href="#">Link</a></div><div>Tools: [Tableau / SQL Server / Excel]</div><div><ul style="list-style-type: none"><li>Extracted, cleaned, and transformed large datasets using SQL for accurate analysis and reporting.</li><li>Created interactive dashboards in Tableau to visualize key metrics such (deaths, cases, and vaccination rates.)</li><li>Performed in-depth trend analysis by country, comparing critical indicators to support data-driven decision-making.</li></ul></div></div> <div><div>HR Data Analytics with Power BI   <a href="#">Link</a></div><div>Tools: [Power BI / Power Query / Excel/ DAX]</div><div><ul style="list-style-type: none"><li>Cleaned data with Power Query and created three Key HR indicators (headcount, leave, salaries)</li><li>Developed advanced dashboard using DAX Calculations</li></ul></div></div> |
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CERTIFICATIONS

[AWS Cloud Practitioner](#) , [NLP Specialization](#) , [Pwc Power BI Job Simulation](#) , [Accenture Data Analytics and Visualization](#)  
[KPMG Data Analytics](#) , [Python for Data Science](#) , [NVIDIA AI](#) ,