

WAIL BOUMAGOUDA

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Objective

Motivated data science student with expertise in machine learning and a passion for leveraging technology to solve complex problems. Developed an advanced AI model to enhance cyber-security defenses against diverse DDoS attacks. Committed to continuous learning and staying updated with the latest advancements. Driven to make a positive impact and contribute to technological transformations in data science.

SKILLS

- **Programming**- Utilized Python, JavaScript, SQL, and Java to design data-driven solutions, optimizing processes.
- **Machine Learning**- Classification, regression, clustering with scikit-learn and XGBoost.
- **Deep Learning**- Proficiency in CNNs, RNNs, and GANs, using TensorFlow and PyTorch for cutting-edge solutions.
- **Data Visualization** -Created impactful visualizations with Matplotlib, Seaborn, and Plotly to enhance data comprehension.
- **Data Warehousing**- Applied expertise in data modeling, ETL processes, and data integration using SQL Server and MySQL.
- **Big Data** - Utilized Hadoop and Spark for processing and analyzing large-scale datasets, enabling data-driven insights
- **Problem Solving**- Framed complex business problems as data science challenges, delivering impactful data solutions.
- **NLP** - Applied NLP techniques for text analysis, sentiment analysis, and language modeling using NLTK, spaCy, Transformers, and large language models to enhance customer experiences and inform data-driven strategies.

EXPERIENCE

Sonatrach (Gazoduc Enrico Mattei), Tebessa • Data Modeling Intern

(08/2022) - (09/2022)

- Developed and maintained ETL pipelines using Python and SQL.
- Assisted in the design and implementation of data models.
- Conducted data analysis and reporting for various departments.

EDUCATION AND CERTIFICATIONS

École supérieure en informatique de Sidi Bel Abbès,Sidi Bel Abbès

• *Master of Science in Computer Science*

Graduation Year (2024)

PERSONAL PROJECTS

SOAR-Shield

(02/2023) - (06/2023)

- Led a team in creating a platform that detects and thwarts a wide range of DDoS attacks using machine learning models.

Upscaler

(03/2023) - (04/2023)

- Developed a mobile app that enhances picture resolution using the SRGAN model.
- Implemented a GAN-based model to train it for enhanced performance.

Speech Recognition App

(03/2023) - (04/2023)

- Developed a mobile app for various tasks based on user voice commands using Java and the PocketSphinx library.

Courses

Neural Networks and Deep Learning,DeepLearning.ai

(07/2023) - (08/2023)

Machine Learning,Stanford Online

(10/2022) - (12/2022)

Fundamentals of Deep Learning,Nvidia DLI

(09/2022)