



BADREDDINE CHAGUER

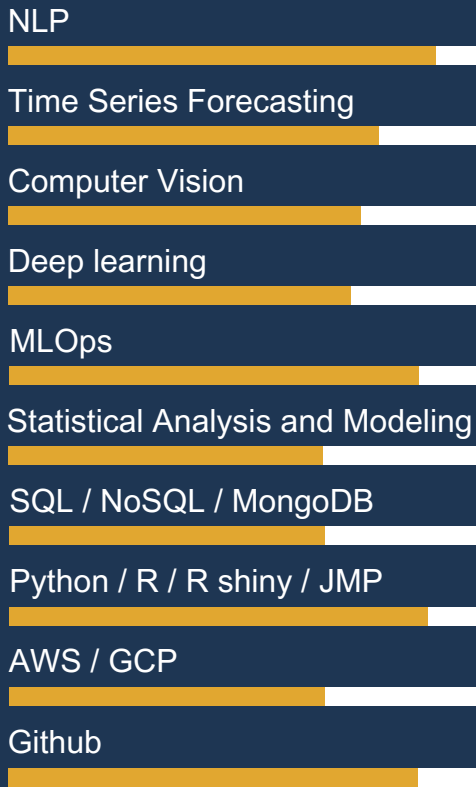
SENIOR DATA SCIENTIST

Leading projects, shaping strategic direction, and mentoring junior team members are integral parts of my role. Specializing in advanced analytics involves developing and deploying AI models.

CONTACT

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SKILL



LANGUAGE



AWARD

#1 Winner Hackathon (2022)
X-FAB Erfurt
 #1 Winner Hackathon (2023)
X-FAB Corbeil-Essonnes

EXPERIENCE

Feb (2023) - current **SENIOR DATA SCIENTIST - CDI**
X-FAB - Corbeil-Essonnes

Nov (2021) - Jan (2023) **DATA SCIENTIST - CDI**
X-FAB - Corbeil-Essonnes

- Developed a **predictive maintenance** model using historical sensor data and machine learning algorithms to forecast the Total Organic Carbon (TOC) factor 12 hours into the future. Achieved an accuracy of 91% in predicting TOC factor, resulting in a 75% reduction in unplanned downtime.
- Created a **classification model** that analyzes machine abort events during the manufacturing process to determine whether a wafer should be rejected. Achieved an accuracy of 97% in classifying wafers for rejection, reducing material waste by 15% and improving overall yield by 10%.
- Utilized **convolutional neural networks (CNN)** to develop a robust defect classification model for wafer images. Achieved a classification accuracy of 92% for identifying various defect types, reducing false positives by 30% and enhancing defect detection efficiency by 25%.
- Automatically classify JIRA tickets and assign them to the appropriate service teams based on the ticket text (**NLP**). Achieved a classification accuracy of 85% in routing tickets correctly, improving ticket resolution time by 20% and enhancing overall service management efficiency.
- Multivariate **data analysis** to detect root cause.
- Develop shiny app to create **KPIs** or deploy AI models using R-shiny.
- **JMP** Coordinator and Trainer.

Sep (2020) - Sep (2021) **DATA SCIENTIST - APPRENTICE**
Saint Gobain - Cavailon

- Classification of defect images (multi-label) using convolutional neural network (**Computer Vision**) - Python
- Create simulators for DOE projects using **regression models** - Python
- Advanced multivariate data analysis using data science techniques (cleaning data, feature engineer, statistical test, machine learning)

Mar (2020) - Aug (2020) **DATA SCIENTIST - INTERNSHIP**
OnlyOne Bank - Paris

- Create a database of carbon footprint monetary ratios. (**PostgreSQL**)
- Creation of a relevant recommendation system, Eco-coach. (**Clustering**)
- Detection of anomalies in banking transactions. (**Isolation Forest**)

EDUCATION

2021 **Master's degree - Data Science - Aix-Marseille University**

2019 **Bachelor's degree- Mathematics - Aix-Marseille University**