Data Science & AI Engineering student with 1+ year of experience at Renault Group (Ampère). Specialized in Deep Learning and Machine Learning with practical experiences. Seeking a 3-6 months internship in Data Engineering/Science or AI Research.

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Education

Master of Engineering in Data & AI
ESILV (Top-tier French Engineering School)
2024 – 2027

BSc in Mathematics & Computer Science (Double Degree)
UPEC (University of Paris-Est Créteil)
2022 – 2024

Skills

- **Languages:** Python (Advanced), Java, C, Ocaml, SQL, R.
- **Data/AI:** Scikit-learn, Pandas, NLP, LLMs, Matplotlib, Matlab.
- **Tools:** GitHub, Linux, Docker, Excel/PowerPoint.
- **Languages**: French (Native), English (800+), Spanish (beginner)
- **Libraries** : PyTorch, TensorFlow, Scikit-Learn, HuggingFace

Interests

- **Sports:** Competitive Football (10 years) and Judo (5 years). Active member of university teams in Futsal, Badminton, and Handball.
- **Travel & Culture:** Extensive international experience including India, Morocco, Italy, and the Azores. Passionate about discovering diverse cultures and adapting to new environments.

Professional Experience

AI & Data Science Engineering Intern | Renault Group (Ampère)
Sep 2024 – Present | Technocentre, France

- Spearheaded the development of an automated NLP-based framework to cluster and categorize complex vehicle software requirements.
- Optimized semantic embedding distances by fine-tuning Transformer models, significantly improving the logical grouping of software components.
- Collaborated with software architects to bridge the gap between raw textual requirements and "Detailed Design" mapping, enhancing the efficiency of the software development lifecycle.
- Key Tech: Python, NLP, Clustering, Transformers, Vector Databases.

Projects

Multimodal ML Pipeline (Amazon Ratings) | ESILV

- Engineered a robust feature extraction pipeline by integrating VADER Sentiment Analysis to convert unstructured text reviews into quantitative predictive features.
- Developed and tuned Gradient Boosting Regressors to fuse textual and numerical data, achieving a high predictive accuracy with a Mean Absolute Error (MAE) of 0.18.

E-commerce Analytics Dashboard | ESILV

- Processed 10,000+ transactions to build a strategic dashboard (BCG Matrix, ABC/Pareto).
- Key Tech: Pandas, Dash, Data Visualization.

Green AI: LLM Efficiency Optimizer | ESILV

- Developed a routing system to select LLMs based on prompt complexity, reducing carbon footprint and inference costs.
- Key Tech: LLMs, Energy Tracking APIs, Python.