Deo Gratias Loutou

Aspiring Data Analyst • Computer Science Master's Student
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Profile

Computer Science Master's student moving into data analysis after a software development background. I work with SQL, Python and statistics, and I like measuring things carefully: reproducible experiments, clear tables and charts. Looking for a **work-study position (alternance) in data for 2027–2028**, or an internship from May 2027 that could lead to it.

Skills

Data analysis	Python (pandas, NumPy, statsmodels, scikit-learn, Matplotlib), EDA, statistics, logistic regression
Data	SQL (DuckDB, MySQL, PostgreSQL; joins, window functions), data cleaning, open data, Jupyter
Programming	C++, C#, TypeScript, Java; Git, GitHub Actions, automated testing, Linux, Jira
Certifications	DataCamp: Python Data Fundamentals (28 h), GitHub Foundations (9 h) — Jul 2026
Languages	French (native), English (B2, upper intermediate)

Projects

Road Accidents in France & Haut-Rhin, 2019–2024 | *Python, SQL (DuckDB)* Oct 2026
- Cleaned and joined 4 open-data tables (310,000 accidents, 700,000 people) in SQL; death counts match the official ONISR figures exactly.
- Death rates by age, area and travel mode; logistic regression of fatal outcomes (hold-out AUC 0.76); detected under-recording of minor accidents in Mulhouse.

What France Reimburses: Medicines 2019–2025 | *Python, SQL (DuckDB)* Oct 2026
- Analysed €160 bn of reimbursed medicines (Open Medic): spending +43% with flat volumes, GLP-1 patients doubled, ADHD treatment in adults ×6.8.
- Linked molecules across ATC code changes (19% of spending); age-standardised regional comparison.

3D City & Drone Simulator of Mulhouse | *Master 1, Unity / C#* Sep – Oct 2026
- Generated Mulhouse in 3D from IGN open data (82,600 buildings, 358,000 trees detected in aerial imagery) and produced labelled before/after images for damage-assessment models.

Code and reports: github.com/LDGKM | more projects with live demos at deogratias-loutou.fr.

Experience

Web Developer & Analyst Intern | *PetitAvis, Feucherolles, France* Jun – Aug 2026
- Restructured a 50+ table production MySQL schema (48 migrations) without losing data.
- Built the first dashboard comparing compliance statistics across childcare facilities.

IT & Network Technician Intern | *JASPE Technologies, Benin* 2024 – 2025
- Set up network and server monitoring (Nagios, Icinga) on Linux; configured MikroTik routers.

Education

Master's in Computer Science (M1) | *Université de Haute-Alsace, Mulhouse* 2026 – present
Bachelor's in Computer Science (Licence 3) | *Université de Haute-Alsace, Mulhouse* 2025 – 2026
Information Security studies (L1 – L3) | *IFRI, University of Abomey-Calavi, Benin* 2022 – 2025
Scientific Baccalaureate, Highest Honours | *Collège Sainte-Thérèse, Benin* 2022