

Nathan Pizzetta

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Education	Toulouse School of Economics (TSE) - Toulouse <ul style="list-style-type: none">Master Degree - Data Science for Social Sciences (International Track of Econometrics and Statistics) Sep 2023 - Sep 2025Double Bachelor's Degree - Mathematics and Economics Sep 2019 - Jun 2023 <p>Key coursework: <i>Machine and Deep Learning, Big Data, Advanced Statistics, High Dimensional Data Analysis</i></p>
Professional Experience	AI Consultant and Data Scientist (CDI) - AVISIA, Paris Oct 2025 – Present <ul style="list-style-type: none">Developed an AI-powered task automation tool for a major home improvement and design retail group.Designed and implemented full-stack architecture on Google Cloud Platform (GCP) for web and mobile applications, delivering scalable solutions to optimize operational workflows. Consultant Data Scientist (Internship) - AVISIA, Paris Apr 2025 – Oct 2025 <ul style="list-style-type: none">Developed a predictive model to assess the 3-year potential of existing clients in a multinational insurance company.Tested the implementation of an MCP Agent using n8n for request orchestration and processing.Worked on a Python plugin for Dataiku enabling SAS code migration to SQL and Python. Finalists of Google & Think Young Hackaton - TSE Junior Enterprise, Paris Jun 2024 - Sep 2024 AI powered tool against misinformation <ul style="list-style-type: none">Developed an NLP tool called "Verichat" to fact-check information and provide insights on members of the European Parliament.Got a partnership with AFP (Agence France Presse) to get access to their APIs.Presented our solution at Google's headquarters in Paris. Data Scientist (Internship) - Ecologie Logistique, Paris May 2024 - Aug 2024 <ul style="list-style-type: none">Database Conversion Application<ul style="list-style-type: none">Created a Python application for converting and concatenating Access databases to CSV format.Deployed the application on the Streamlit platform.Web Scraping and Data Retrieval Scripts<ul style="list-style-type: none">Designed and implemented web scraping scripts in Python to gather online data.Enhanced data collection processes to enable continuous data retrieval.Foot Traffic Prediction with Cliris Group (AI company)<ul style="list-style-type: none">Conducted in-depth research to identify the most effective modeling approaches for foot traffic prediction, including Graph Neural Networks (GNN), Convolutional Neural Networks (CNN), and Generative Adversarial Networks (GAN).Delivered a comprehensive project presentation to a panel of three AI PhDs, successfully demonstrating the relevance and impact of the proposed methodologies. Consultant Data Scientist (Mission) - TSE Junior Enterprise, Toulouse Apr 2024 - Jun 2024 <ul style="list-style-type: none">Developed a XGBoost predictive model to identify customer churn.Implemented a full pipeline in Python for production (Sklearn and custom-built classes).
Projects	GenAI - Image generation with Diffusion model Computer Vision - Object Detection using YOLOv8 model
Technical Skills	Programming Languages: Python, R, \LaTeX , Bash General: Predictive modeling, Statistical analysis, Machine learning, Deep Learning, Web Scraping
Languages	French: Native English: B2 TOEFL (91) Spanish: C1 DELE
Favourite Hobby	Trekking: Passionate about long-distance hiking and exploring mountainous regions.