

# PRUDHOMME Pierre

## Looking for a permanent contract in Data Science.

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### Education

ENSIIE, École Nationale Supérieure d’Informatique pour l’Industrie et l’Entreprise	Sept 2021 – Sept 2025
• <b>Coursework:</b> Machine Learning, Deep Learning, Big Data Platform Engineering, Regularized Regression Methods, Stochastic Process Study, Mobile Application Development.	
Lycée de Cachan, CPGE TSI	Sept 2019 – Sept 2021

- Preparatory class for highly competitive national exams specializing in engineering sciences. Ranked **121/1200**.

### Experience

Data Scientist Intern, Limpide – Prague, Czech Republic.	May 2025 – Nov 2025
• Design of a computer vision automated document information extraction tool in the energy market, using fine-tuned AI models and self-improving agents, enabling continuous prompt optimization (n8n, AutoGen, Langchain, LLMOps, MCP, OCR, Azure).	
• Development of collaborative agents and deployment of a multi-agent architecture integrating MCP and RAG.	
Data Scientist Intern, Ministère de l’Éducation Nationale – Paris, France.	May 2023 – Aug 2023

- Implemented a predictive model for staff management based on student grades and academic trajectories.
- Built a self-assessment tool for dataset analysis.
- Processed and visualized data from relational databases.

Data Protection Officer Intern, Confiance Digitale – Massy, France.	May 2022 – Aug 2022
• Set up virtual machines and administered them via Active Directory.	

- Implemented patch management software for virtual machines.
- Managed Microsoft domains and deployed anti-spam solutions.

### Projects

Self File Analysis	pierreprudh/File-Analysis
• Developed a self-analysis tool to extract information from .csv/.xlsx files, generate a JSON dictionary, and create a PDF report with a dashboard-style visualization.	

- **Tools:** Python, HTML.

Face Mask Detection	pierreprudh/SF-Mask
• Real-time deep learning algorithm detecting faces and classifying mask usage on images and videos.	

- **Tools:** Python (TensorFlow, PyTorch, pandas, ...).

### French Mobile Network Data Analysis

• Analyzed ANFR databases to identify areas with the weakest network coverage.
• <b>Tools:</b> Python, Hadoop, Kafka, Spark, OpenSearch, Dataiku.

### Technologies and Languages

**Programming:** Python (data-science packages, agentic libraries, etc.), R, SQL, React.

**Tools:** Git, Microsoft Office, Latex, Docker.

**Languages:** French (mother tongue), English C1 - (TOEIC 975), German.

### Interests

- DSI volunteer for the FC Bourg-la-Reine football club.
- Sports : Running, football, gym.