PRUDHOMME Pierre

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Education

ENSIIE, Ecole Normale Supérieure pour l'Industrie et l'Entreprise   Sept 2021 – Sept 2025
- **Coursework:** Machine Learning, Deep Learning, Big Data Platform Engineering, Regularized Regression Methods, Stochastic Process study

Lycée de Cachan,CPGE TSI   Sept 2019 – Sept 2021
- Preparatory Class for highly competitive national exams specializing in engineer sciences. Ranked 121/1200.

Experience

Data Scientist Intern, Ministère de l'Éducation Nationale – Paris, France.   May 2023 – Aug 2023
- Implementation of a predictive model for staff management based on student grades and academic trajectory.
- Development of a self-assessment tool for analyzing datasets.
- Data processing and visualization from databases.

Data Protection Officer Intern, Confiance Digitale – Massy, France.   May 2022 – Aug 2022
- Setting up virtual machines and management via Active Directory.
- Implementing a patch management software into virtuals machines.
- Microsoft domain management.
- Setting up anti-spam software in these domains.

Projects

Self File Analysis   pierreprudh/File-Analysis
- Developed a self analysis tool, this program allows to extract information from a .csv or .xlsx document and create a JSON dictionary and a PDF file with the extracted data and visual information with a dashboard.
- Tools Used: Python, Html.

Face Mask Detection   pierreprudh/SF-Mask
- A real-time deep learning algorithm designed to detect faces and analyze whether individuals are wearing a mask, applicable to both images and videos.
- Tool Used: Python (tensorflow, pytorch, pandas, ...).

French mobile network data analysis
- Analysis of an ANFR database using various technologies to identify areas with the weakest network coverage.
- Tools Used: Python, Hadoop, Kafka, Spark, Opensearch, Dataiku

Technologies and Languages

Languages: Python (data-science packages and others), R, SQL.

Software: Git, Office, LaTeX, Docker.

Languages: French, English(TOEIC 975), Deutsch.

Interest

- Vice-president of the ENSIIE's Sport Department and capitain of the football team.
- Vice-president of the datascience association (organisation of pratical work and conference).