Data Scientist / Machine Learning Engineer

Contact Information:

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- **Location:** Paris, France

Professional Summary: Results-driven Data Scientist and Machine Learning Engineer with 4 years of experience in developing and deploying predictive models, conducting in-depth data analysis, and building intelligent systems. Proficient in Python, machine learning frameworks, and big data technologies, with a strong ability to translate complex data into actionable insights.

Work Experience:

- **Machine Learning Engineer**
  - AI Innovations, Paris, France
  - October 2021 – Present
  - Developed and deployed machine learning models (e.g., neural networks, random forests) for fraud detection, resulting in a 15% reduction in fraudulent transactions.
  - Designed and implemented data pipelines using Apache Spark and Airflow for processing large datasets (Terabytes).
  - Utilized cloud platforms (Google Cloud Platform) for model training, deployment, and MLOps, including Kubeflow.
  - Collaborated with product teams to define requirements and deliver data-driven solutions.
  - Conducted A/B testing and model performance monitoring in production environments.
- **Junior Data Scientist**
  - QuantAnalytics, Lyon, France
  - July 2019 – September 2021
  - Performed extensive exploratory data analysis (EDA) and feature engineering on diverse datasets to identify key trends and insights.
  - Built predictive models for customer churn using scikit-learn, improving retention rates by 10%.
  - Created interactive data visualizations and dashboards using Tableau and Matplotlib/Seaborn.
  - Wrote SQL queries to extract and transform data from relational databases.

Education:

- **M.Sc. in Data Science**
  - École Polytechnique, Palaiseau, France
  - Graduation: July 2019
- **B.Sc. in Applied Mathematics**
  - Sorbonne University, Paris, France
  - Graduation: July 2017

Skills:

- **Technical:** Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch), SQL, Apache Spark, Airflow, Docker, Git, Google Cloud Platform (GCP - Compute Engine, AI Platform, BigQuery, Cloud Storage), Machine Learning, Deep Learning, Statistical Modeling, NLP, Computer Vision basics, Data Visualization (Matplotlib, Seaborn, Tableau), A/B Testing, MLOps, Data Warehousing
- **Tools/Software:** Jupyter Notebook, Google Colab, PyCharm, Tableau, BigQuery Console
- **Soft Skills:** Analytical thinking, statistical reasoning, communication, problem-solving, research

Certifications & Training:

- **Google Cloud Certified Professional Machine Learning Engineer**
  - Google Cloud
  - Obtained: June 2023

Publications / Research:

- Hall, G., & Dupont, C. (2019). *Ensemble Methods for Time Series Forecasting in Retail Analytics*. Proceedings of the European Conference on Machine Learning (ECML 2019).

Languages:

- **French:** Native
- **English:** Fluent

References: Available upon request.