Harper Nguyen

Senior Machine Learning Engineer

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Professional Summary

Senior Machine Learning Engineer with over 10 years of experience building end-to-end ML systems, leading model architecture design, and deploying scalable solutions across finance, healthcare, and retail domains.

Skills

Python, PyTorch, TensorFlow, MLOps (MLflow, Airflow), Model Deployment, Distributed Training, Data Lakes & Feature Stores, Deep Learning, Docker/Kubernetes, CI/CD for ML, Model Governance

Experience

Senior Machine Learning Engineer - NexaAI Systems (2018 - Present)

- Designed production-grade ML systems with distributed model training on GPUs.

- Implemented reusable pipelines and model lifecycle tracking with MLflow and Airflow.

- Led architecture discussions and code reviews for ML infrastructure components.

ML Engineer - BrightData Labs (2012 - 2018)

- Developed real-time fraud detection and risk scoring models.

- Built internal tooling for model explainability and fairness assessments.

Education

M.S. in Machine Learning, Carnegie Mellon University, 2012