

PRIYA KRISHNAN

Machine Learning Engineer

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SUMMARY

ML engineer with 3 years putting fraud and NLP models into production. Caught 31% more fraud than rules and serves models at 400 requests a second.

EXPERIENCE

PaySure

Chennai

Machine Learning Engineer

Jun 2023 – Present

- Shipped a LightGBM fraud model that catches 31% more fraudulent orders than the rules engine at the same false-positive rate.
- Fine-tuned multilingual BERT on 80K support tickets to route them by intent (F1 0.91), cutting first response 35%.
- Serve models with FastAPI on Kubernetes at 400 requests a second, p95 under 60 ms, with drift alerts in Grafana.
- Set up MLflow tracking and a weekly retraining pipeline in Airflow, replacing manual retrains.

PROJECTS

crop-lens | *PyTorch, FastAPI*

github.com/priyakrishnan/crop-lens

- Leaf-disease classifier (EfficientNet, 38 classes, 96% top-1 on held-out data) with a mobile web demo.

EDUCATION

Anna University, College of Engineering Guindy

2019 – 2023

B.E., Computer Science

CGPA 8.7

SKILLS

ML: PyTorch, scikit-learn, LightGBM, Hugging Face Transformers

Data: Python, SQL, pandas, Spark, Airflow

MLOps: MLflow, FastAPI, Docker, Kubernetes, AWS (SageMaker, S3), Grafana