PRAPAS CHRISTOS

Full-stack Engineer | Applied ML (Crop Classification) | Transitioning to AI/ML roles

Contact

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Education

MSc Electrical & Computer Engineering
University of Thessaly (Volos)
Sep 2019 – 2025
GPA: 7.95/10

Core Skills

ML / DL
PyTorch, ConvLSTM/Conv3D, Attention Mechanisms

Data / Geo
Python, NumPy, (Geo)Pandas, Rasterio, QGIS, NetCDF pipelines

Software
Node.js, REST APIs, SQL (MySQL/PostgreSQL), Git, Linux

Languages

Greek (Native)
English (C2)
German (B2)

Profile

Full-stack engineer with applied machine learning experience, currently transitioning into AI/ML-focused roles. Strong background in backend systems and data pipelines, with hands-on experience designing, training, and running deep-learning models for satellite-based crop classification as part of an engineering thesis and internal company use. Experience applying ML outputs as decision-support signals in agricultural software systems.

Experience

Full-stack Programmer Sep 2023 – Present
Agrosymbouli

- Developed and maintained full-stack features for a production web application.
- Built backend/data workflows including automation and web scraping.
- Used outputs from an experimental ML crop-classification model to compare declared vs satellite-inferred crop types for internal review.

Selected AI/ML Project

Satellite-based Crop Classification

- Designed an end-to-end pipeline using Sentinel-2 multispectral time series.
- Implemented ConvLSTM/Conv3D models in PyTorch.
- Built TIFF→NetCDF preprocessing and patch extraction workflows.
- Addressed class imbalance and improved robustness via model tuning.
- Compared predictions against farmer declarations to flag inconsistencies for review.