FPG-AI: a Technology Independent Framework for Edge AI Deployment Onboard Satellite, and its Characterisation on NanoXplore FPGAs

Presentation Days
June 2024

- Budget: 100 K Euro
- Duration: 12 months
- Prime: University of Pisa
- Main Objectives:
  1. Extending and consolidating the existing framework to a wider set of supported AI algorithms, e.g. Recurrent Neural Networks (RNNs)
  2. Ensuring that all state-of-the-art devices are supported by the tool, especially focusing NanoXplore (NX) FPGAs, enabling the use of these devices for AI applications and pursuing European sovereignty
  3. Evaluating the tool capability with a prototype hardware demonstrator