

UNIVERSITY OF TRENTO

MASTER THESIS

OnLine Learning applied on image classification

Author:
Alessandro AVI

Supervisor:
Prof. Davide BRUNELLI

*A thesis submitted in fulfillment of the requirements
for the degree of Master Degree
in the*

Research Group Name
Department of Industrial Engineering

November 25, 2021

Declaration of Authorship

I, Alessandro AVI, declare that this thesis titled, “OnLine Learning applied on image classification” and the work presented in it are my own. I confirm that:

- This work was done wholly or mainly while in candidature for a research degree at this University.
- Where any part of this thesis has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated.
- Where I have consulted the published work of others, this is always clearly attributed.
- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely my own work.
- I have acknowledged all main sources of help.
- Where the thesis is based on work done by myself jointly with others, I have made clear exactly what was done by others and what I have contributed myself.

Signed:

Date:

“Burgir”

ciao

UNIVERSITY OF TRENTO

Abstract

Faculty Name
Department of Industrial Engineering

Master Degree

OnLine Learning applied on image classification

by Alessandro AVI

Inserire qui abstract

Acknowledgements

Ciao grazie

Contents

Declaration of Authorship	iii
Abstract	vii
Acknowledgements	ix
1 Intro	1
2 State of the art	3
3 Application	5
4 Results	7
5 Conclusions	9

List of Figures

List of Tables

For/Dedicated to/To my...

Chapter 1

Intro

1. Argomento della tesi
2. Perché della tesi
3. Impostazione del lavoro
4. Impostazione del latex
5. Machine learning
6. Embedded systems
7. ML su embedded systems
8. Sfide attuali, perché è importante

Chapter 2

State of the art

1. Accennare TinyOL
2. Accennare algoritmi fino ad ora
3. OL poco applicato su ML ma quasi sempre su computer potenti

Chapter 3

Application

Chapter 4

Results

Chapter 5

Conclusions