University of Padua

Department of Information Engineering

Master Degree in ICT for Internet and Multimedia

Leveraging cloud and machine learning technologies for the development of a knowledge IOT database

Master thesis

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Academic Year 2023-2024

Summary

This document describes the work done during the 750 hours final project at 221e S.r.l.
The project's goal is to architect and develop a cloud-based system capable of ingesting and processing data from heterogeneous IoT sensors so that a knowledge database can be built.
The system must be designed to be scalable and fault-tolerant, and it must be platform-agnostic.
This document is going to describe the company, the idea behind the project, the work done and an assessment on what I developed and learned during my internship.

"If the past is just dust
Then the future could be our dream"

— Lorna Shore

Acknowledgements

Prof. Lorenzo Vangelista, my thesis supervisor, deserves my deepest gratitude for his exceptional support and guidance throughout the completion of this research.
My family, for their encouragement and understanding throughout this academic endeavour, has my heartfelt thanks.
To Luca Perosa, Bledar Gogaj, Marco Lionello, and all my peers at SCAI ITEC, I am truly grateful for their unwavering support when I made the decision to pursue a Master's degree.
I extend my sincere appreciation to PhD. Roberto Bortoletto, my company tutor, and all my colleagues in 221e for their invaluable support and guidance throughout my final project.
Last but not least, I want to give a shoutout to all my friends for having my back, keeping it real, and just being there through thick and thin. Your friendship means a lot to me, and I appreciate the support and good times we've shared.

Padova, October 2024 Alessandro Discalzi

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