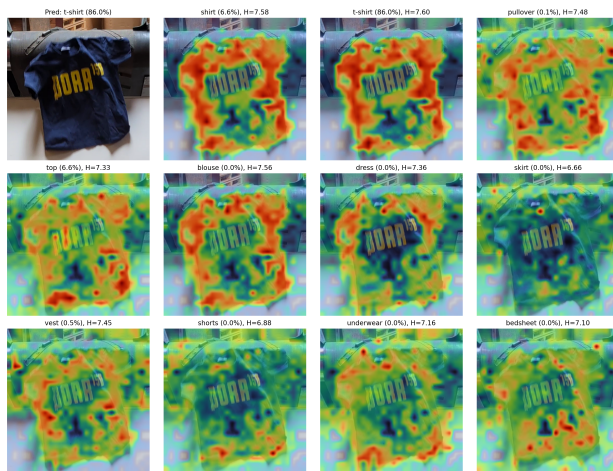


Deep Learning for Sorting and Damage Detection in Second-Hand Garments

Bachelor Thesis / Seminar Project / Master Thesis



Objective:

Prolonging the life cycle of garments reduces the environmental impact of textile production and consumption. Efficient and automated systems for large-scale sorting and damage detection of second-hand clothes enable reuse, resale, and recycling in the fashion industry. This project applies computer vision and deep learning approaches to develop a fully automated system that identifies and separates reusable garments at an industrial scale, contributing to the reduction of textile waste and the conservation of resources.

Qualifications:

- Experience in Python
- Interest in Computer Vision and Deep Learning
- Knowledge of deep learning frameworks is advantageous

Press coverage:

- **Kleine Zeitung:** "Saubermacher arbeitet an KI-gestütztem Sortiersystem für Alttextilien" (10.09.2025)
- **Kronen Zeitung:** "KI soll Müllberge an Altkleidern schrumpfen lassen" (10.09.2025)

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