

Building a Winform application using the MobileNet model to detect product defects for Pisy Pharma company.

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Abstract: The thesis presents the application of Deep Learning in the product quality inspection process at a pharmaceutical company. The author uses the MobileNet model to detect product packaging defects (OK/NG classification). The system is deployed as a Winform application (C#), using the OnnxRuntime library to run the trained model. The result is a tool that supports fast and accurate defect inspection, helping to reduce risks from manual inspection.

Keywords: MobileNet, Product defect inspection, Winform, Pisy Pharma

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