

# Personal computer recommendations: Using Neural Networks and Object Detection

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**Abstract:** đây là Abstract

**Keywords:** Deep Learning, Machine Learning, Computer Vision, Vision Transformer, Self-Supervised Learning, Agricultural Technology.

## 1 Introduction

Đây là tài liệu đầu tiên của tôi viết bằng

## 2 Related work

## 3 Methodology

### 3.1 Dataset

Two datasets, Personal Computer Information and Personal Computer Image, were utilized in this study.

**Personal Computer Information Dataset:** This dataset contains numerical specifications of personal computers, including details such as GPU, CPU, RAM, storage, and other technical attributes.

**Personal Computer Image Dataset:**

- **Number of Images:** 3,108 images.
- **Categories:** Up to 15 classes of laptop models.
- **Image Characteristics:** Images include multiple laptop sides with a filtered background, ensuring consistency for analysis.
- **Image Size:** All images are resized to 600x600 pixels to meet the model's input requirements and reduce computational load.

- 4 Evaluation
- 5 Comparative Analysis
- 6 Result
- 7 Discussion