Your Name | March 2025



- Dataset
- Classification Task
- Challenge
- Project Goals



Dataset Organization

Preprocessing Pipeline

[&]quot;Key Discovery: Models heavily rely on color features for classification, which influenced our approach to feature extraction



CNN Model

ScatNet Model

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graph TD
A[Input Image] --> B[Feature Extraction]



Metric	CNN	ScatNet

Key Findings

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CNN Filters

ScatNet Filters

[&]quot;Important: Color information proved crucial for classification success



Key Insights



• CNN Training Progression

ScatNet Training Progression

Performance Achievements

Key Insights

Future Work

your.email@university.edu