# Data Collection and Preprocessing Phase

| Data Source | Data Quality Issue | Severity | Resolution Plan |
|---|---|---|---|
| Dataset | Image Variation | High | Collect images from diverse sources (different cameras, lighting conditions, angles). Implement data augmentation techniques (rotation, scaling, cropping) during preprocessing. |
| Dataset | Occlusion | Moderate | Include images with partial occlusion, and/or train the model to be robust to it. |
| Dataset | Insufficient Resolution | Moderate | Establish a minimum resolution threshold for images. Use superresolution techniques, if feasible, to enhance the resolution of some images. |

| Date | 28 January 2026 |
|---|---|
| Student Name | Parshwa Sunil Chougule |
| Project Title | Uncovering The Hidden Treasures Of The Mushroom Kingdom: A Classification Analysis |
| Maximum Marks | 2 Marks |

**Data Quality Report Template**

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|---|---|---|---|
| Dataset | Unbalanced Classes | High | Employ stratified sampling to ensure proportional representation of each mushroom species. Use data augmentation for minority classes. Explore the use of weight loss functions during training. |