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| Date | 25 JUNE 2025 |
| Team ID | SWTID1749974387 |
| Project Title | **Neural Networks Ahoy: Cutting-Edge Ship Classification For Maritime Mastery** |
| Maximum Marks | 2 Marks |

**Data Quality Report:**

The Data Quality Report will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

**Data Quality Report:**

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| **Data Source** | **Data Quality Issue** | **Severity** | **Resolution Plan** |
| Kaggle Dataset | Class imbalance and limited variety in lighting/angles/background     |  | | --- | |  | | Medium | Used ImageDataGenerator with rescaling, zoom, shear, and horizontal flipping to augment data and improve model generalization. Also applied an 80-20 training-validation split to monitor overfitting. |
| Kaggle Dataset | Categorical data in the dataset | Moderate | Mapping has to be done in the data. |