**Table 4.** Effects of the various fault scenarios on the model robustness and basic performance parameters.

|  |  |  |
| --- | --- | --- |
| **Condition** | **Impact on Model Stability** | **Performance Metrics**  |
| **Accuracy (%)** | **F1-Score (%)** |
| **Normal Operation** | Stable | 95% | 92% |
| **High File Access Load** | Minor performance degradation | 90% | 87% |
| **Server Failures** | Temporary instability | 75% | 70% |