Sure, here's an assurance case for the interpretability of the DeepMind Machine Learning enabled system, structured in Goal Structuring Notation (GSN) using a hierarchical tree format:

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G1: Interpretability of DeepMind ML System is adequately demonstrated

- S1: Definition of "Interpretability"

- C1: Standard definition of interpretability adopted from established literature

- G2: Information about the system's operation is transparent

- S2: Description of internal mechanisms provided

- G3: Key components and their functions are documented

- S3: Documentation of system components

- C2: Documentation follows industry best practices

- G4: The system's decision-making process is explainable

- S4: Detailed explanation of decision-making algorithms

- E1: Example scenarios illustrating decision processes

- C3: Scenarios cover a variety of typical use-cases

- S5: Visual aids available to show decision paths

- E2: Flowcharts and model visualizations included

- G5: System outputs are interpretable by non-experts

- S6: Outputs are presented in a user-friendly manner

- E3: User interface incorporates intuitive design principles

- G6: Training provided to users to understand outputs

- S7: Comprehensive user training programs available

- E4: Training materials and workshops

- C4: Feedback loop from users to improve training

- S8: User manual and documentation available

- E5: Accessible and regularly updated user manual

- G7: Assessment of interpretability by independent reviewers

- S9: Peer review of interpretability features

- E6: Reports from independent review bodies

- C5: Review bodies have relevant expertise

- S10: Benchmarking against other interpretable systems

- E7: Comparative studies and benchmarks

- C6: Benchmarks follow a standardized protocol

```

### Explanation of Elements:

- \*\*Goals (G):\*\* Objectives to be achieved.

- \*\*Strategies (S):\*\* Methods used to achieve these goals.

- \*\*Context (C):\*\* Statements providing background or premise.

- \*\*Evidences (E):\*\* Artefacts such as documents or data supporting the claims.

This structure ensures a comprehensive and traceable demonstration of the system's interpretability.