Here is the checklist generated for the author developing the artificial intelligence-machine learning software and for the reviewer reviewing it:

IDENTITY AND PURPOSE

Checklist for Author:

- Is the AI-based system designed to be openly available? [YES/NO]
- Are traceability and logging mechanisms included from the early design phase of the AI-based system? [YES/NO]
- Does the system have authority to make decisions without approval from another member involved in operations? [YES/NO]
- Is automation used to reduce human input for repetitive tasks? [YES/NO]
- Does the system exhibit autonomy by modifying its intended domain of use or goal without external intervention? [YES/NO]
- Are advanced automation features used under specified conditions? [YES/NO]

Checklist for Reviewer:

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BIAS

Checklist for Author:

- Has data bias been considered in the ML model? [YES/NO]
- Is high bias present, causing the learning algorithm to miss relevant relations between attributes and target outputs? [YES/NO]
- Are measures taken to eliminate unwanted bias inherent to the data sets? [YES/NO]

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DATA MANAGEMENT

Checklist for Author:

- Has data management requirements capture been done? [YES/NO]
- Is data collection thorough and accurate? [YES/NO]
- Have data sets been labelled correctly (only in supervised learning)? [YES/NO]

- Are data preparation activities (pre-processing, data transformation, feature engineering) complete? [YES/NO]
- Have the various data sets used in the learning phase (training, validation, test) been identified and verified? [YES/NO]
- Are data sets independent of each other? [YES/NO]
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Let me know if you'd like me to generate more checklists or make any changes!