

## Software Development and Automation

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|---|--|--|
| <input type="checkbox"/> Code Generation              | <input checked="" type="checkbox"/> Debugging and Repair | <input type="checkbox"/> Algorithm design                          |
| <input type="checkbox"/> Refactoring and Optimization | <input checked="" type="checkbox"/> Process automation   | <input type="checkbox"/> Code documentation and comment generation |

## Data Management

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|--|--|---|
| <input type="checkbox"/> Data collection                           | <input type="checkbox"/> Data analysis                                 | <input type="checkbox"/> Synthetic data generation                              |
| <input type="checkbox"/> Validation                                | <input checked="" type="checkbox"/> Quantitative Plotting and Charting | <input type="checkbox"/> De-identification and anonymization support            |
| <input type="checkbox"/> Data cleaning                             | <input type="checkbox"/> Reproducibility and rerun checks              | <input checked="" type="checkbox"/> Audio-to-text transcription and diarization |
| <input checked="" type="checkbox"/> Data curation and organization | <input type="checkbox"/> Data labeling and annotation assistance       |   |

## Visuals and Multimedia

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|---|---|--|
| <input type="checkbox"/> Synthetic Asset Generation | <input checked="" type="checkbox"/> Image Enhancement and Editing | <input type="checkbox"/> Diagrammatic and Schematic Design |
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## Writing and Editing

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| <input type="checkbox"/> Drafting Text                             | <input type="checkbox"/> Formulation of conclusions                      | <input type="checkbox"/> Tone Adjustment                                  |
| <input type="checkbox"/> Polishing and Editing                     | <input type="checkbox"/> Citation formatting and bibliography management | <input type="checkbox"/> Translation                                      |
| <input type="checkbox"/> Title Generation                          |  | <input checked="" type="checkbox"/> Press releases and outreach materials |
| <input type="checkbox"/> Abstract and Executive Summary Generation |  |   |

## Ethics Review

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|---|---|--|
| <input checked="" type="checkbox"/> Bias analysis and discrimination assessment | <input type="checkbox"/> Ethical risk analysis                        | <input type="checkbox"/> Data confidentiality monitoring |
|   | <input type="checkbox"/> Monitoring compliance with ethical standards |  |

## Quality Assurance

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| <input checked="" type="checkbox"/> Simulated Peer Review          | <input type="checkbox"/> Identification of limitations | <input checked="" type="checkbox"/> Publication strategy and journal selection |
| <input type="checkbox"/> Consistency checking against field trends |  | <input type="checkbox"/> Publication support                                   |

**Generative AI tools used:** No Generative AI tools were declared.

**Additional comment #1:** The keys for this example were selected randomly.