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| Journal Name: | [**Asian Journal of Research in Computer Science**](https://journalajrcos.com/index.php/AJRCOS) |
| Manuscript Number: | **Ms\_AJRCOS\_139121** |
| Title of the Manuscript: | **AUTONOMOUS DATABASE SYSTEMS – A SYSTEMATIC REVIEW OF SELF-HEALING AND SELF-TUNING DATABASE SYSTEMS.** |
| Type of the Article | **Systematic Review** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This work presents a timely and comprehensive systematic review of autonomous database systems regarding the identified domain. It fills an important research gap by summarizing the latest developments from 2020 to 2025.**  **The discussion on emerging trends such as fractal regeneration and hierarchical bandits adds value for future research directions.** | Thank you |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, appropriate** | Thank you |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes, the content is sufficient.** | Thank you |
| Is the manuscript scientifically, correct? Please write here. | Yes, this work is scientific.  The systematic review methodology is clearly explained, the research questions are well-structured, and the results are supported with appropriate citations.  The discussion of ML/AI techniques and their application in self-healing and self-tuning is insightful. | Thank you |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes  For historical grounding also they have provided enough references. | Thank you |
| Is the language/English quality of the article suitable for scholarly communications? | Yes | Thank you |
| Optional/General comments | Figures are mentioned but not included in the document.  These figures can be mentioned within your content to show some relatedness to refer when going through the text.  Some sections can be made to improve better readability | Alright and noted |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | There are no ethical issues with this manuscript |