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| Journal Name: | [**Asian Journal of Research in Computer Science**](https://journalajrcos.com/index.php/AJRCOS) |
| Manuscript Number: | **Ms\_AJRCOS\_132330** |
| Title of the Manuscript:  | **Modeling Vulnerabilities in Web Architecture to Enhance Cybersecurity in Corporate Systems** |
| Type of the Article |  |

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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 *(Please correct the manuscript and highlight that part in the manuscript. 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 manuscript emphasizes the need to integrate security into system design and development rather than treating it as an afterthought. The topic is relevant, and the discussion provides insights into modeling vulnerabilities in a structured way. The paper tried to contribute to a better understanding of how AI can be incorporated into security frameworks. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title should be revised. The phrase “Vulnerability modeling” is a more methodological approach, whereas the paper primarily presents a survey. A revised title could better reflect the paper’s focus, such as: "A Survey on Web Vulnerability Modeling and AI Driven Threat Detection” |  |
| 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. | The abstract needs significant revision.* The current format with separate sections (Methodology, Results, Conclusion) is incorrect. The abstract should be written in coherent, and concise paragraphs.
* While it articulates the paper’s intent, the methodology and results sections lack a strong, tangible contribution. It needs a clearer statement of what the study achieves beyond summarizing existing work.
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| Is the manuscript scientifically, correct? Please write here. | The survey provides a good overview, but it lacks depth in terms of original contributions. More discussion on how the findings advance the field would improve the paper. Some claims about AI in vulnerability detection should be backed with stronger empirical evidence. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are sufficient, but some recent works from late 2024 should be incorporated. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Several grammar and spelling issues need correction (e.g., “sercurity” should be “security”). |  |
| Optional/General comments | The paper would benefit from a clearer research problem statement and discussion of gaps. The results section should provide stronger, evidence-based contributions. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. 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)* |  |

**Reviewer details:**

**Yinebeb Tariku Abewa, Addis Ababa Science and Technology University, Ethiopia**