

Review Form 1.7

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_118126
Title of the Manuscript:	Combating The Challenges of False Positives in AI-Driven Anomaly Detection Systems and Enhancing Data Security in the Cloud
Type of the Article	Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajrcos.com/index.php/AJRCOS/editorial-policy>)

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PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, the manuscript is important for the scientific community because it addresses the significant challenge of high false positive rates in anomaly detection systems within cloud computing. It explores advanced AI-driven techniques like deep learning, contextual clustering, and adaptive learning, which enhance security and detection accuracy. The study's findings provide valuable insights into integrating contextual data and robust security protocols, guiding the development of more effective anomaly detection systems. Additionally, it underscores the necessity of continuous advancements in AI to improve cyber security measures.</p> <p>Yes, the title of the article is suitable. It accurately reflects the focus on AI-driven techniques for anomaly detection in cloud computing environments and emphasizes the goal of reducing false positives to enhance data security.</p> <p>Yes, the abstract of the article is comprehensive. It clearly outlines the problem of high false positive rates in anomaly detection, the advanced AI techniques employed to address this issue, the datasets used, and the key findings. It also highlights the significance of integrating contextual data and robust security measures for improving anomaly detection in cloud environments.</p> <p>Yes, the subsections and structure of the manuscript are appropriate. The paper is well-organized, with clearly defined sections including an introduction, literature review, methodology, and findings. This logical flow helps in understanding the progression of the research, from identifying the problem and reviewing existing solutions to detailing the methods used and presenting the results.</p> <p>Yes, the manuscript appears to be scientifically correct. It follows a rigorous methodology, including a comprehensive literature review, use of appropriate datasets, and application of advanced AI techniques. The study's findings are supported by empirical data, and the integration of contextual data and security measures is well-founded, addressing key challenges in anomaly detection within cloud environments.</p> <p>Yes, the references in the manuscript are sufficient and recent, covering a wide range of relevant studies in AI-driven anomaly detection, cloud security, and advanced data analysis techniques. Over 50 academic journals were reviewed, and 21 were selected based on inclusion criteria, ensuring the references are up-to-date and pertinent to the study's focus. No additional references are necessary.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, the language and English quality of the article are suitable for scholarly communications. The text is well-written, with clear and concise language appropriate for academic readership. The manuscript effectively communicates complex concepts and methodologies, enhancing its accessibility and readability within the scholarly community.</p>	
<p>Optional/General comments</p>	<p>The manuscript demonstrates a thorough examination of the topic, employing advanced AI techniques to address critical challenges in anomaly detection within cloud computing environments. The clarity of language and logical structure make it accessible to scholarly readers, while the comprehensive literature review and robust methodology enhance its scientific validity. Overall, this manuscript significantly contributes to the field of cyber security and data protection, providing valuable insights for researchers and practitioners alike.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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