

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_131079
Title of the Manuscript:	AI-Driven Fraud Detection: A Risk Scoring Model for Enhanced Security in Banking
Type of the Article	Short communication

PART 1: Comments

	<b>Reviewer’s comment</b> <b>Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.</b>	<b>Author’s Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>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.</b>	Particularly in industries like banking, AI-driven fraud detection and risk-scoring algorithms are becoming more and more significant for society. They play a critical role in preserving economic organizations' credibility, protecting people, and defending the banking system. Contemporary represent a few of the main justifications for the significance of these innovations to civilization. Immediate identification of abnormal trends and oddities using AI-powered fraud detection algorithms lowers the likelihood that criminal conduct will go undetected. AI can swiftly evaluate enormous volumes of business related to transactions to identify possible threats as fraud grows increasingly complex, protecting banks and consumers' finances while reputations.	This manuscript is important for the scientific community because it contributes to current trends and technologically improves financial security using artificial intelligence. With transformation from traditional banking to online banking, the danger of fraud has increased, demanding novel and effective detection systems. This study introduces a risk-scoring model based on machine learning and real-time anomaly detection, offering a structured way to identify possibly fraudulent behaviors and alert the system. The findings provide important insights into balancing security measures and user experience, paving the path for more robust and adaptable fraud prevention tactics in current banking systems.
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	YES.	Thank you.
<b>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.</b>	YES	Thank you.
<b>Is the manuscript scientifically, correct? Please write here.</b>	YES. Addition :  In the explanation of Fraud detection system, only conceptual writing is done. The author needs to add some practical aspects in the same.  A few Suggestions need to be added by the author.	Yes, I agree with the reviewer that it needs to go in real world testing but since this is under testing right now. I did get a chance to access few datasets from Kaggle and I tested the model there. The accuracy came out to be 94% which I think is impressive. I had added the test results and stats in section 7 of the manuscript.
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<ul style="list-style-type: none"><li>Syed Salman Syed Salman, Dr. Chaya. R, AI-Driven Fraud Detection Enhancing Security in Banking Transactions, September 2024Conference: International Conference On Advanced Computing Icac – 2024 26th &amp; 27th September 2024At: Coimbatore, Tamilnadu, INDIA</li><li>R Sabareesh, Deependra Nath Pathak, Radha Ranjan, Ramachandran Devi Prasanna, P. Shalini, Eijaz Khan Bellary, AI-Driven Fraud Detection in Banking: Enhancing Transaction Security, Journal of Informatics Education and Research. DOI: https://doi.org/10.52783/jier.v4i3.1707</li></ul>	Mentioned references added in the manuscript.

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Is the language/English quality of the article suitable for scholarly communications?	YES	Thank you.
Optional/General comments	-	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	Thank you for reviewing my manuscript. I have made the necessary changes