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(57) Abstract :
Embodiments of the present disclosure relates to a system (100) and method (300) for detecting errors in data frames. In an aspect, the present disclosure discloses a system (102) for detecting errors in data frames using a combination of checksum and cyclic redundancy check (CRC) techniques for enhanced data integrity. The system (102) comprises a processor (202) coupled to a memory (204) that stores processor-executable instructions. The processor (202) is configured to divide the plurality of data frames into a plurality of units. Further, the processor (202) is configured to calculate a checksum for each of the plurality of units. Next, the processor (202) is configured to compare the calculated checksum with a checksum of each of the plurality of data frames. In the end, the processor (202) is configured to detect an error in a data frame based on the comparison.

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