Author[Year]	Address Topic	Methodology	Simulator	Advantage
Garg et al. [2023]	Ethernet MAC verification	Universal Verification Methodology (UVM)	UVM Simulator	High reusability of verification components
IEEE [2020]	Ethernet performance over IPv4/IPv6	Experimental testing with jumbo frames	Custom setup	Detailed analysis of throughput, delay, jitter, and CP
Singh et al. [2023]	AI-enhanced Ethernet traffic analysis	Deep learning-based anomaly detection	TensorFlow	Automates detection of network anomalies
Mininet Research [2022]	SDN optimization for traffic prediction	Integration with AI models for adaptive traffic configurations	Mininet	Real-time analysis and easy SDN configuration
Jaeyong Jeong [2024]	Stochastically improved autoencoder models for anomaly detection	Stochastic autoencoder models	Not specified	Enhanced robustness
Boyang Wan[2021]	Video sequence anomaly detection as benchmark	Pattern recognition	Not specified	Focuses on video data
Sayantan Roy[2024]	Deep learning for network traffic anomaly detection	Survey of deep learning techniques	Not specified	Focus on cutting-edge techniques
Science Direct	Evaluating ML-based anomaly detection across datasets	Dataset integrity analysis	Not specified	Focus on data quality
Symmetry[2024]	Autoencoder-based models for network anomaly detection	Variational Autoencoder	Not specified	Improved detection accuracy
Varun ,Arindam,Vipin[2009]	Comprehensive survey of anomaly detection techniques	Classification, clustering, statistical methods	Not specified	Broad methodology coverage