

The Role of AI in Improving Answer Quality on Q & A Platforms

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Abstract: *The integration of Artificial Intelligence (AI) in Question-and- Answer (Q&A) platforms has revolutionized how users obtain information. AI- driven algorithms enhance the quality of responses by leveraging natural language processing (NLP), machine learning (ML), and deep learning techniques. This paper explores the role of AI in improving answer quality on Q&A platforms, discussing various AI techniques such as sentiment analysis, relevance ranking, automated moderation, and personalized recommendations. Additionally, the study examines the challenges, ethical considerations, and future advancements in AI-powered Q&A systems. The findings suggest that AI significantly improves accuracy, relevance, and engagement while addressing misinformation and low- quality content.*

Keywords: AI, Machine Learning, Q&A Platforms, Natural Language Processing, Content Moderation, Blockchain, Explainable AI