

Artificial Intelligence: From Theory to Real-World Applications

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Abstract: *This research paper explores the transformative journey of Artificial Intelligence (AI) from theoretical foundations to practical applications across various industries. Through detailed case studies, the paper highlights the impact of AI, challenges in implementation, and future prospects. Additionally, it examines the societal implications of AI, considering how it influences social structures and the role of sociological perspectives in understanding its impact.*

Keywords: Artificial Intelligence, AI Implementation, Case Studies, Predictive Analytics, Healthcare, Finance, Manufacturing, Retail, Transportation, Societal Impact, Sociology