

# **Trends In AI and DS**

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**Abstract:** *The research paper comprises of a detailed study of the two diverse fields AI and DS. Artificial intelligence (A.I.) is a multidisciplinary field aimed at automating tasks that currently need human intelligence. Data science encompasses a set of principles, problem definitions, algorithms, and processes for extracting non-obvious and useful patterns from large data sets. Many of the elements of data science have been developed in related fields such as machine learning and data mining. In fact, the terms data science, machine learning, and data mining are often used interchangeably. Despite its lack of general familiarity, artificial intelligence (AI) and Data Science (DS) is a technology that is revolutionizing every aspect of life. This article aims to educate laypeople about AI and DS and encourage them to utilize it as a tool in many disciplines to rethink how we combine data, analyze it, and make choices. The concept of artificial intelligence (AI) and Data Science (DS) is covered and an emphasis on utilizing these terms in a modular way is made.*

**Keywords:** *Artificial Intelligence (AI), Data Science (DS), Machine Learning (ML).*

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