Machine Learning:

Machine Learning (ML) is a subset of AI that focuses on the development of algorithms and models that enable computers to learn from and make predictions or decisions based on data. ML algorithms learn patterns and relationships from historical data without being explicitly programmed. It plays a crucial role in automating analytical model building processes, such as classification, regression, clustering, and reinforcement learning. ML techniques are widely used in various applications, including recommendation systems, fraud detection, healthcare diagnostics, and autonomous vehicles.