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(57) Abstract :
The system in the present disclosure is for high volume data analytics and data ingestion (114) and acts as a comprehensive and scalable solution designed to enable organizations to efficiently process, analyse, and derive insights from vast and diverse datasets. In today's data-driven world, the sheer volume of data generated from various sources presents both opportunities and challenges. This system addresses these challenges by offering a robust framework that accommodates the continuous flow of data while ensuring real-time and batch processing capabilities. The system's architecture is built on the principles of scalability, fault tolerance, and performance optimization. It leverages distributed computing frameworks and advanced data processing techniques to handle massive data volumes with ease. By employing parallel processing and data partitioning, it achieves high throughput, reduced processing times, and optimal resource utilization. Key components of the system include a data ingestion layer (114) responsible for acquiring data from multiple sources, a data processing layer for data transformation and enrichment, and a data storage layer (110) capable of handling diverse data formats. Data analysis and machine learning tasks are performed in a separate layer, enabling organizations to uncover valuable insights, make data-driven decisions, and predict future trends

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