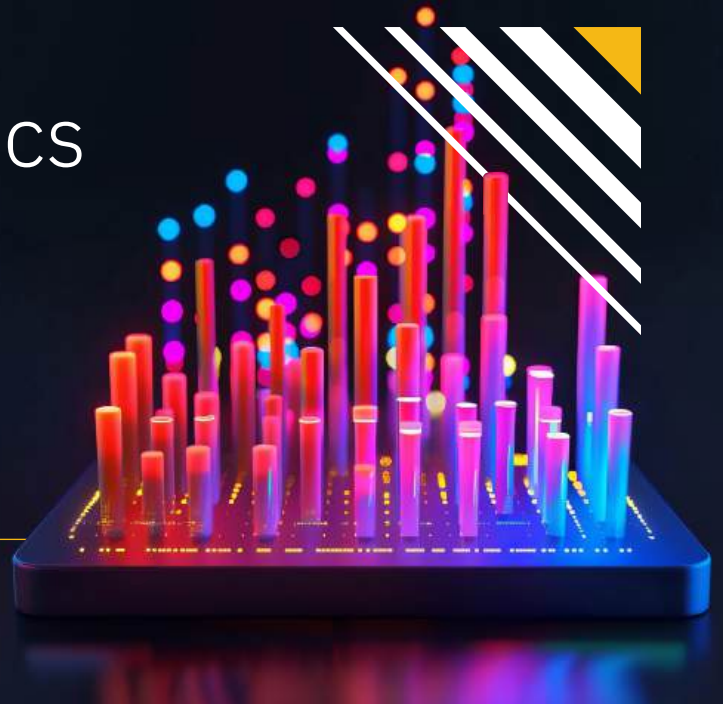# NSEIT Data Analytics & Generative AI Capabilities

BROCHURE

Our Data Analytics **Capabilities at a Glance**

100+	**20-25%**	**30+**	**30-40%**
Certifications & Accreditations	Reduction in Manual Efforts through automation and advanced analytics	BFSI Use Cases Supported	Accelerated Time to Market

Core **Capabilities**

Data Modernization:

- Data Strategy
- Data Lake/Lake House
- Data Warehousing
- Data Engineering
- Data Migration

Business Analytics:

- BI Strategy & Transformation
- Visualization & Narratives
- Observability Analytics
- Descriptive & Diagnostic Analytics

AI & Advanced Analytics:

- Generative AI
- Predictive Analytics
- Smart Decision Systems
- Sensory Techniques

Our Generative AI
Capabilities at a Glance

Comprehensive AI Solutions:
Innovative AI-driven solutions to meet diverse business needs.

Expert Team:
Over **200 associates with 100+ certifications** and **50+** BFSI industry experts.

Accelerators & Frameworks:
12+ accelerators and frameworks for rapid deployment.

Core Capabilities

Conversational AI & BI
- **Conversational AI:** Seamlessly interact with data through AI-driven conversations.
- **Conversational BI:** Transform analytics into dialogue for intuitive insights.

Speech AI:
- **Speech to Text:** Convert spoken words into text for easy analysis.
- **Reputational Risk Assessment:** Monitor social sentiment to gauge reputational risks.

Predictive & Prescriptive Analytics:
- **Churn Prediction:** Identify customers at risk of churn and implement mitigation strategies.
- **Fraud Detection:** Detect and prevent fraudulent transactions with AI precision.
- **Default Payment Propensity:** Assess policies at risk of default for targeted interventions.

Text-Based Solutions:
- **Text Classification:** Automatically categorize text into predefined categories.
- **Data Extraction:** Extract specific data elements from documents for automation.
- **Resume Parsing:** Convert resumes into actionable data for efficient processing.

AI Innovations **at NSEIT**

Market Guardian:

Stock Data Analysis: Extract and analyze stock data for market insights.

Intelligent Apps:

AI-Augmented Automation: Enhance business processes with AI-driven automation.

Generative AI for Insights: Generate insights from financial data with AI-powered analysis.

Success **Stories**

Enhancing Business Intelligence with Generative AI for a Leading Insurance Provider	A leading insurance provider faced challenges in analyzing vast amounts of business performance data, requiring a more efficient solution for quick, accurate insights. NSEIT implemented a Generative AI-powered system, allowing users to interact with data in natural language, customize KPI calculations, and streamline data analysis. This solution significantly enhanced accessibility to insights, improved operational efficiency, and enabled quicker, informed decision-making.
Data Migration for India's Leading Exchange	India's leading exchange faced limitations with its on-premise data center, which struggled to scale and meet the surge in stock trading during the COVID-19 pandemic. NSEIT orchestrated a seamless migration to the cloud, leveraging AI/ML for anomaly detection and real-time data processing. This transition ensured scalability, improved data accuracy, and enabled the client to kick-start new initiatives without infrastructure constraints, achieving significant cost benefits and operational efficiency.

Success **Stories**

Innovating Financial Data Management for a Leading Financial Services Provider	A prominent financial services provider dealt with fragmented data silos and outdated data pipelines, impacting timely decision-making. NSEIT's data modernization initiative consolidated disparate data into a unified platform using AWS and Databricks, introduced a robust data ingestion pipeline, and implemented real-time business alerts. This transformation led to a 45% reduction in data curation time, established a single source of truth, and significantly enhanced data management and analytics capabilities.
AIsemble (SLDC) Use Case: Revolutionizing Software Development	AIsemble transforms software development by integrating role-specific AI assistants into existing development pipelines. This Gen-AI-powered platform improves efficiency across the SDLC, automating code optimization, quality checks, and documentation tasks. By leveraging AIsemble, teams can achieve quicker project completions, consistent code quality, and enhanced productivity, focusing more on strategic and creative tasks. This innovative approach ensures that software development processes are streamlined and aligned with the latest technological advancements.

About **NSEIT**

NSEIT Limited is a digital native technology company that engineers world-class solutions to help our global customers accelerate their digital transformation journeys. Our key service pillars are Application Modernization, Business Transformation, Data Analytics, Infrastructure & Cloud Services, and Cybersecurity, through which we create intuitive digital experiences and tangible business impact. For over two decades, our innate drive for excellence has made us the partner of choice for global organizations. At NSEIT, we fuel digital progress.

For more information, visit us at nseit.com

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