

MUHAMMAD IZHAAN HUSSAIN BIN TAHA GROUP OF COMPANIES

Dated: 13-03-2026

Doc Ref: MIHBT/RESCT/GOC/INT/31353826004

Company Profile

Patternwise

Advanced Analytics, AI & Data Solutions

Patternwise is a technology-focused company specializing in **Artificial Intelligence (AI), Machine Learning (ML), Business Intelligence (BI), Data Mining, and Data Warehousing solutions**, backed by MIHBT Tech Sol PLC.

Our mission is to empower businesses with **data-driven decision-making**, predictive analytics, and intelligent automation. Patternwise leverages **cutting-edge technologies** to help organizations extract actionable insights from complex datasets and optimize operations, marketing, sales, and supply chain functions.

Core Services

1. Artificial Intelligence & Machine Learning

- Predictive analytics, classification, and clustering models
- Natural Language Processing (NLP) for chatbots, sentiment analysis, and document parsing
- Computer Vision & Image Processing solutions
- Deep Learning frameworks and neural networks
- AI-driven process automation

2. Data Analytics & Business Intelligence

- Power BI, Tableau, and QlikSense dashboards and visualizations
- KPI monitoring and management reporting
- Self-service BI for end users
- Data storytelling and executive dashboards

3. Data Engineering & Warehousing

- Data modeling, ETL pipelines, and big data processing
- Data warehousing solutions (Snowflake, Redshift, BigQuery, SQL Server)
- Data lakes, cloud storage integration, and structured/unstructured data management
- Real-time streaming data analytics with Kafka, Spark, and Flink

4. Data Mining & Knowledge Discovery

- Pattern recognition and trend analysis
- Customer segmentation and churn prediction
- Market basket analysis, recommendation systems
- Fraud detection and anomaly detection models

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5. Advanced Technologies & Tools

- Programming & Analytics: Python, R, Java, Julia, Scala, Go, C++, MATLAB
- ML/AI Frameworks: TensorFlow, PyTorch, Keras, Scikit-learn, XGBoost, LightGBM, Hugging Face Transformers
- Cloud & Big Data Platforms: AWS AI & ML services, Google Cloud AI, Azure Machine Learning, Databricks, Hadoop, Spark
- Databases: SQL, NoSQL (MongoDB, Cassandra), Time-Series DBs, Graph DBs
- Data Visualization & Reporting: Power BI, Tableau, Qlik, Looker, Plotly
- Automated ML and AutoML frameworks
- Robotic Process Automation (RPA) with AI integration

Focus & Delivery Model

- **Data-Driven Insights:** Helping businesses leverage data for strategic advantage
- **End-to-End Analytics:** From raw data collection to actionable AI insights
- **Custom ML Models:** Tailored predictive and prescriptive analytics for various industries
- **Business Intelligence Integration:** Dashboards, KPIs, and reporting tools for executives and teams

Industries Served

- FMCG, Retail & E-Commerce
- Supply Chain & Logistics
- Finance & Banking
- Healthcare & Pharma
- Energy & Utilities
- Telecom & IT Services

Capability Statement

Patternwise is a trusted partner for enterprises and SMEs looking to **harness the power of AI, ML, and data analytics**. By combining advanced **machine learning models, business intelligence tools, and big data infrastructure**, Patternwise delivers **actionable insights, predictive analytics, and intelligent automation** to drive efficiency, growth, and innovation.