

 **Noor Hikmah Ltd.**

turning ideas into impact

Corporate Profile

Software Development • Data Science • Data Engineering
Artificial Intelligence • Research • IT Consultancy

www.noorhikmah.com

Company Overview

Noor Hikmah Ltd. is a private limited technology company that develops practical digital solutions in software engineering, data science, AI, and IT consultancy - helping organizations improve operations, strengthen decision-making, and build future-ready systems. The company serves as a solution partner for institutions requiring applied AI, workflow automation, intelligent data processing, and custom software that is governable, auditable, and enterprise-ready. Noor Hikmah Ltd. applies data protection and privacy compliance standards to all client engagements worldwide, with full GDPR alignment for EU clients (see Data Protection & Privacy Compliance section).

Noor Hikmah at a Glance

Company Name	Noor Hikmah Ltd.
Business Focus	Software development, web systems, data science, AI solutions, research, and IT consultancy.
Operating Position	Technology partner for organizations seeking practical, scalable, and explainable digital solutions.
Approach	Combines custom engineering, applied AI, deterministic processing, and governance-conscious implementation.
Primary Delivery Model	Custom solution development, platform implementation, and specialized AI-enabled products.

Vision, Mission and Core Promise

Vision: To turn ideas into impact by applying modern software, AI, and data technologies to solve meaningful business and institutional challenges.

Mission: To design and deliver secure, scalable, and explainable digital systems that improve service quality, automate routine work, and support trustworthy decision-making.

Core Promise: Noor Hikmah Ltd. delivers documented, testable systems with defined scope, structured handover, and post-delivery support. Every engagement produces auditable outputs, traceable logic, and software that operates predictably in production environments.

Operating Principles

- **Practical Innovation:** Solutions are built to solve defined operational problems, not merely to showcase technology.
- **Transparency:** Where AI affects analysis or decisions, output should remain understandable, reviewable, and traceable.
- **Security-Conscious Engineering:** Systems are designed with controlled access, secure configuration, and governance-aware architecture.
- **Modularity:** Components are structured to support maintainability, extensibility, and future integration.
- **Operational Reliability:** Backend calculations, validations, and business rules are implemented in ways that support repeatability and auditability.

Core Service Portfolio

- **Software Development:** Design and build secure, scalable business applications, internal platforms, automation systems, and custom digital products across web-based and data-driven environments.
- **Web Development:** Develop responsive, user-friendly web systems with structured interfaces, role-based workflows, and enterprise-ready integration patterns.
- **Data Science & Data Engineering:** Build reliable data pipelines and scalable infrastructure while transforming raw business data into analytical insight through deterministic processing, reporting logic, visualization, and explainable AI-assisted interpretation.
- **Artificial Intelligence Solutions:** Develop AI-enabled applications that support prediction, classification, automation, document understanding, conversational interfaces, and intelligent decision support.
- **Research & Applied Innovation:** Translate emerging methods in machine learning, natural language processing, computer vision, and intelligent automation into deployable business solutions.
- **IT Consultancy:** Support secure digital transformation through architecture guidance, process design, governance-conscious implementation, and technology advisory services.

Solution Portfolio

The portfolio centers on analytics, lending intelligence, voice automation, document processing, and complex data extraction.

Noor Analyst

Natural-language analytics over uploaded Excel and CSV data, combining deterministic backend calculation with AI-assisted explanation for transparent reporting.

Visit - www.nooranalyst.com

AI Credit Officer

Explainable lending decision support with risk scoring, fraud screening, audit logging, multilingual decision communication, and model monitoring. Personal and financial data is processed under strict data minimisation principles, with access controls, audit trails, and explainable outputs designed to support regulatory compliance and human oversight.

Visit - <https://ai-credit-officer-production.up.railway.app>

AI Customer Care Officer

Real-time voice-enabled customer interaction for confirmation, verification, and service support workflows using secure AI conversation and live monitoring. Voice interactions involving personal data are conducted over encrypted channels, with session logging limited to defined service purposes and access restricted to authorised personnel only.

Intelligent Trade License Document Processing Engine

OCR-driven extraction, validation, and financial evaluation of licensing documents with deterministic rule logic and audit-ready outputs.

Smart Data Extraction Engine

Transforms complex multi-sheet Spreadsheets into structured, explainable datasets and visual process intelligence for audit-heavy environments.

Intelligent Document Processor

Multilingual classification and extraction engine that identifies document type, routes it to the correct category, and pulls structured key fields from native-text and image-based PDFs. Designed with privacy-by-design principles — only necessary fields are extracted, processing is traceable, and outputs are structured for audit-ready handling of sensitive documents.

Solution Summary Matrix

Solution	Primary Use Case	Key Value
Noor Analyst	Business analytics and reporting	Natural-language analysis over uploaded Excel/CSV data with deterministic calculation and explainable reporting.
AI Credit Officer	Credit risk decision support	Explainable lending decisions, fraud screening, audit logs, multilingual communication, and model governance. Personal data handled under data minimisation and audit controls.
AI Customer Care Officer	Voice automation	Real-time AI-enabled customer interaction for confirmation, verification, and support workflows — voice interactions handled over encrypted channels with purpose-limited session logging.
Trade License Engine	Regulatory document processing	OCR, extraction, validation, fee computation, and audit-ready structured outputs.
Smart Data Extraction Engine	Excel-based process intelligence	Save hours untangling spreadsheets — get clean, structured data and clear process visuals that are ready for any audit.
Intelligent Document Processor	Document classification & extraction	Classifies documents, extracts key fields, and improves over time — optimized for CPU-based enterprise deployment. Privacy-by-design with traceable, minimal extraction.

Technology and Capability Themes

Across the solution portfolio, recurring technical strengths indicate Noor Hikmah Ltd.'s capacity to deliver enterprise-grade systems that combine software architecture, analytics, automation, and applied AI.

Backend Engineering

Python-based backend development is a common foundation across the solutions, using frameworks such as Flask and FastAPI to support APIs, application logic, integration, and scalable deployment.

Data Processing & Analytics

The solution set shows strong capability in deterministic data processing, structured aggregation, visualization, rule-based calculation, and analytical interpretation using technologies such as Pandas, Matplotlib, NumPy, and SQL-backed storage.

AI & Machine Learning

The portfolio includes machine learning models, explainability tooling, natural language interfaces, fraud detection, OCR-based extraction, and AI-assisted decision communication, reflecting an applied and governance-aware use of AI.

Document & Excel Intelligence

Noor Hikmah has developed systems that can interpret regulatory documents, scanned files, and complex Excel-based structures using OCR, image preprocessing, parsing logic, metadata analysis, and traceable output design.

User-Facing Interfaces

The solutions include responsive web interfaces, dashboards, visualization layers, interactive analytical views, and real-time communication features suitable for both operational users and decision-makers.

Traceability & Governance

Audit history, explainable output, deterministic calculations, structured logging, and compliance-aligned deployment patterns appear repeatedly across the solutions, demonstrating a strong governance orientation.

Industries and Use Cases

Industry / Segment	Illustrative Relevance
Financial Services & Fintech	Credit assessment, fraud detection, inclusion-oriented lending, decision explanation, and portfolio governance.
Government & Public Administration	Document processing, service automation, structured data extraction, and compliant digital workflows.
Enterprise Operations	Analytics, reporting, workflow digitization, process transparency, and operational decision support.
Regulatory & Compliance	Traceability, audit logs, deterministic calculation, document validation, and structured record handling.
Customer Service Operations	Voice automation, multilingual interaction, confirmation workflows, and real-time service support.

Business Value Proposition

- Explainable AI that separates deterministic calculation from AI-assisted narrative where governance matters.
- Modular, production-ready engineering with structured APIs, traceability, and auditable data flows.
- Built for regulated industries handling financial decisions, compliance workflows, and document-intensive operations.
- Software engineering and applied AI combined — not AI as an isolated experiment.
- Designed for real deployment and scale, not demo-only delivery.
- Full capability across custom software, AI, analytics, and technology consulting.
- Transparency, validation, and explainability built in by design — not as afterthoughts.
- Supports both internal enterprise improvement and externally facing digital services.
- Aligned with organizations that value structured data, automation, and compliance-ready deployment.

Delivery Approach

Noor Hikmah Ltd. combines advisory, engineering, and applied AI implementation across a structured delivery process.

- **Discovery & Scoping:** Understand business processes, data availability, compliance constraints, and operational pain areas.
- **Architecture & Solution Design:** Select the right mix of application design, AI models, data flows, and security mechanisms.
- **Prototype & Validation:** Build working pilots that validate business fit, technical feasibility, and user adoption.
- **Implementation & Integration:** Develop production features, APIs, dashboards, and system connections for live deployment.
- **Governance & Reliability:** Incorporate logging, explainability, and operational monitoring where decisions must be trusted.
- **Scale & Enhancement:** Extend into broader use cases, more users, and more advanced automation.

Engagements are governed by a written service agreement covering scope, deliverables, timelines, acceptance criteria, and data handling obligations. Service level expectations, support terms, and escalation procedures are defined per engagement. A GDPR-compliant Data Processing Agreement (DPA) is available for all client engagements upon request.

Our Customers

Noor Hikmah Ltd. serves a diverse range of clients across technology, trade, energy, industrial automation, and inspection sectors — spanning both local enterprise environments and international operational standards.

- **Tirzok Private Limited** — A leading enterprise IT solutions provider based in Bangladesh, partnering with Noor Hikmah on technology-driven business solutions.
- **TradeUp BD** — A digital trade and commerce platform leveraging Noor Hikmah's software and data capabilities to support trade operations.
- **Ecozen Sustainable Energy Solutions (ESES)** — A Chittagong-based renewable energy and energy management consultancy utilizing Noor Hikmah's analytical and digital solutions.
- **Revolin Consortium** — A one-stop instrumentation and automation solution provider serving power plants, pharmaceuticals, and industrial facilities across Bangladesh.
- **US-Based Inspection & Compliance Firm** — An international inspection and compliance organisation engaged with Noor Hikmah for document intelligence and data extraction workflows, utilising the Smart Data Extraction Engine and Intelligent Document Processor. The client name is withheld under a mutual confidentiality agreement. References and engagement details are available upon request through a formal NDA process.



Our Core Team

Md Riadul Islam

AI Engineer & Data Scientist



Md Riadul Islam is an AI Engineer and research-oriented technology professional specializing in explainable machine learning systems, evaluation-driven experimentation, and end-to-end AI solution design. His work focuses on building intelligent systems that are not only powerful but also transparent and interpretable for real-world decision-making environments.

At Noor Hikmah Ltd., he leads the design and development of AI platforms, including explainable machine learning pipelines and AI-powered analytical tools. His expertise spans model evaluation, feature influence analysis, and building decision-support systems for finance, analytics, and document intelligence applications.

He has developed several advanced AI systems, including AI Credit Officer, Noor Analyst, and document processing pipelines that combine OCR, machine learning, and explainability frameworks to support data-driven decision making.

Core Expertise

- Explainable Machine Learning (SHAP, feature attribution)
- Machine Learning model evaluation and experimentation
- AI system architecture and agentic AI workflows
- Python AI stack (Scikit-learn, XGBoost, HuggingFace)
- REST APIs, Docker, and cloud deployment
- Statistical analysis and ML reliability research

Education

- BSc Engineering – University of Dhaka
- MBA – University of Dhaka
- AI Product Manager Nanodegree – Udacity
- Data Foundations Nanodegree – Udacity
- Data Science Certificate Program – OSTAD

Rafiul Habib Razib

Senior Software Developer



Rafiul Habib Razib is a full-stack software developer specializing in modern web technologies and scalable application development. His expertise focuses on building responsive and secure digital platforms using modern JavaScript frameworks and cloud-connected backend systems.

At Noor Hikmah Ltd., he leads the development of backend systems and web platforms supporting AI products and enterprise applications. His work ensures that AI solutions are integrated with robust, scalable software infrastructure.

He has experience developing full-stack systems including interactive platforms, real-time applications, and database-driven services using the MERN stack.

Core Expertise

- Full-stack web development
- MERN Stack (MongoDB, Express.js, React.js, Node.js)
- REST API architecture
- Frontend frameworks (React.js, Next.js)
- Database design and backend services
- Git-based collaborative development

Key Projects

- Quizlytics – Interactive quiz platform with AI-generated exams
- Tech Fusion – Tech product showcase platform
- Career Path – Online job hunting and recruitment platform

Education

- BSc Engineering – University of Dhaka

Zarif Ahmed

Software Developer – Data Science Track



Zarif Ahmed is a data-focused software developer specializing in data analytics, visualization, and machine learning systems. His work combines software engineering with data science techniques to transform complex datasets into actionable insights.

At Noor Hikmah Ltd., he works on data pipelines, analytics dashboards, and machine learning experimentation environments supporting the company's AI platforms.

His technical strengths include Python-based data analysis, SQL-based data engineering, and building analytical dashboards for decision support.

Core Expertise

- Python data analysis and automation
- SQL data processing and transformation
- Data visualization and dashboard design
- Machine learning experimentation
- Data-driven decision systems
- Process automation workflows

Technical Tools

- Python, SQL
- Power BI, Tableau, Looker
- Excel analytics
- Figma & UI prototyping tools

Education

- MSc in Software Engineering – Daffodil International University
- BSc in Computer Science & Engineering – Daffodil International University

Nabil Nashit

Software Developer – AI Track



Nabil Nashit is a software developer focused on artificial intelligence, machine learning experimentation, and system-level problem solving. His work bridges software engineering with AI model development and data-driven analytics.

At Noor Hikmah Ltd., he contributes to AI solution development, data preprocessing pipelines, and machine learning experimentation supporting intelligent automation systems.

His technical work includes developing classification models, performing exploratory data analysis, and building AI-enabled software systems.

Core Expertise

- Machine learning model development
- Data preprocessing and exploratory analysis
- Python-based AI experimentation
- Backend system development
- Security and system architecture fundamentals

Key Projects

- Machine Learning-Based Obesity Classification System
- Predictive Data Science Modeling Project
- 3D Puzzle Escape Game using Python and OpenGL

Education

- BSc in Computer Science & Engineering – BRAC University

Advisor

Mohammad Mahmudul Hasan

Advisor – AI, GeoAI & Spatial Intelligence

Mohammad Mahmudul Hasan is an AI Engineer and geospatial technology professional specializing in GeoAI, computer vision, point cloud analytics, photogrammetry, and large-scale spatial automation systems. His work focuses on developing intelligent geospatial pipelines that transform aerial imagery, LiDAR data, orthophotos, and spatial datasets into accurate, automated, and decision-ready digital outputs.

As Advisor at Noor Hikmah Ltd., he provides strategic and technical guidance on advanced AI system design, geospatial intelligence, 3D urban modeling, computer vision pipelines, and scalable automation workflows. His advisory role strengthens the company's capability in applied AI, spatial data processing, digital twin technologies, and enterprise-grade intelligent systems.

He has led and contributed to advanced AI and GeoAI projects involving semantic segmentation, BIM model extraction, traffic sign and street furniture localization, multi-temporal change detection, 3D CityGML reconstruction, orthophoto quality assessment, and remote sensing analytics. His technical experience combines machine learning, geospatial engineering, and production-level AI implementation for real-world automation challenges.

Core Expertise

- GeoAI and spatial intelligence systems
- Computer vision and deep learning
- Point cloud analytics and LiDAR data processing
- Photogrammetry and 3D city modeling
- Digital twin and CityGML reconstruction
- Remote sensing and orthophoto analysis
- AI-based change detection and object localization
- Python, PyTorch, TensorFlow, OpenCV, YOLO, FastAPI
- GDAL, GeoPandas, PostgreSQL/PostGIS, QGIS, ArcGIS
- Open3D, PCL, COLMAP, OpenMVS, CloudCompare

Education

- BSc in Electrical and Electronic Engineering – Islamic University of Technology (IUT), Bangladesh
- Higher Secondary Certificate – Notre Dame College, Dhaka
- Secondary School Certificate – National Ideal College, Dhaka

Publication

- Hasan, M.M., et al. "Demystifying Deep Learning Models for Retinal OCT Disease Classification using Explainable AI." IEEE Asia-Pacific Conference on Computer Science and Data Engineering, 2021.

Certifications & Credentials

The core team holds verified qualifications across AI, data science, and software engineering from recognized institutions, with the most recent certifications completed in 2025.

Certification	Issuing Body	Year
AI Product Manager Nanodegree	Udacity	2020
Data Foundations Nanodegree	Udacity	2018
Data Science Certificate Program (83% score, 149/180)	Ostad	2022
AI Innovation Challenge – Early Warning System for Extreme Weather	Omdena	2024
AI Agent Development	DIPTI – Daffodil International Professional Training Institute	2025
Build AI Applications with Python	Interactive Cares Learning Center	2025
AI Agent Builder Bootcamp 4.0	DIPTI – Daffodil International Professional Training Institute	2025
Complete Web Development (Certificate of Completion with Excellence)	Programming Hero	2025
Quizlytics Project, Endgame Program	Programming Hero	2025
Machine Learning: Beginner to Advanced (Cert. No. A50031)	Nascenia Limited	2025

Government Registration & Compliance

Noor Hikmah Ltd. is a registered private limited company - broadly equivalent to a GmbH under Bangladeshi company law - with all registrations digitally verifiable through the respective government portals, incorporated and operating in full compliance with the laws and regulations of the People's Republic of Bangladesh.

Registration	Details
RJSC – Certificate of Incorporation	Reg. No. C-203857/2025 — Incorporated under the Companies Act 1994 (Act XVIII of 1994) — Date: 11 August 2025
Trade License	License No. TRAD/DSCC/007907/2025 — Issued by Dhaka South City Corporation (DSCC) — Date: 14 August 2025 — Valid until: 30 June 2026 [Renewal in process]
TIN – Tax Identification Number	TIN: 839125412847 — National Board of Revenue, Taxes Circle-311 (Company), Taxes Zone 15, Dhaka — Date: 17 August 2025
BIN – VAT Registration	BIN: 007304039-0202 — Registered under VAT and Supplementary Duty Act, 2012 — Customs, Excise and VAT Commissionerate, Dhaka (South) — Effective: August 2025
Trademark Application	Application ID: BD-H-1-320232 — Filed with the Department of Patents, Designs and Trademarks, Bangladesh — Class 42 (Technology & IT Services) — Filing Date: 09 September 2025

Data Protection & Privacy Compliance

Global Standard, GDPR-Aligned

Our Commitment

Noor Hikmah Ltd. is committed to handling all personal data in a lawful, transparent, and purpose-limited manner across all client engagements worldwide. For EU clients, these practices are further aligned with the General Data Protection Regulation (GDPR — Regulation (EU) 2016/679). Noor Hikmah Ltd. also acknowledges the EU Artificial Intelligence Act (Regulation (EU) 2024/1689) — solutions such as AI Credit Officer and Intelligent Document Processor are designed with transparency, human oversight, and auditability as core principles, consistent with high-risk AI system obligations under the Act. The technical and organisational measures in this section apply as a baseline standard to all engagements, with full GDPR and EU AI Act support available for EU clients.

Data Processing Commitments

Area	Our Position
Legal Basis	Processing performed only under a documented lawful basis (contract, legitimate interest, or explicit consent) — applicable to all engagements.
Data Processing Agreement (DPA)	A data processing agreement is available for all client engagements upon request. A full GDPR-compliant DPA is provided for EU client engagements, covering roles, obligations, and sub-processor disclosure.
Cross-Border Data Transfers	Current infrastructure is US-hosted. For EU-client data, transfers are governed by Standard Contractual Clauses (SCCs) as approved by the European Commission (2021/914/EU). EU-region or client-preferred hosting can be configured upon request.
Data Minimisation	Systems are architected to collect and process only data strictly necessary for the defined service purpose.
Retention & Deletion	Retention schedules are defined per engagement. Secure deletion or return of client data is available at contract end.
Sub-Processors	A list of sub-processors (cloud, AI API providers) is disclosed in the DPA. Clients are notified of material changes.
Data Subject Rights	We support clients in fulfilling data subject rights (access, rectification, erasure, portability) within agreed response timelines. EU clients are supported specifically under GDPR Articles 15–22.
Breach Notification	In the event of a personal data breach affecting client data, notification is provided within 48 hours — enabling EU clients to meet the 72-hour supervisory authority reporting window, and all clients to respond promptly.

Technical & Organisational Measures (TOMs)

These measures apply to all client engagements as a baseline operational standard.

- Role-based access control and principle of least privilege across all platforms.
- Data-in-transit encrypted via TLS 1.2+ on all API and web endpoints.
- Data-at-rest encryption applied to stored client datasets and audit logs.
- Structured audit logging with tamper-evident records for all data operations.
- Access credential management and secure configuration practices in deployment.
- Internal data handling procedures reviewed on a per-engagement basis.

For all data protection enquiries, requests, or concerns — including DPA requests, data subject rights assistance, and breach notification — please contact us directly at:

Data Protection Contact: info@noorhikmah.com, Noor Hikmah Ltd., House # 58, Road # 03, Block # B, Niketon, Gulshan, Dhaka – 1212, Bangladesh

Contact Us

 **Noor Hikmah Ltd.**



Address: House # 58, Road # 03, Block # B,
Niketon, Gulshan, Dhaka – 1212, Bangladesh



Mobile: +8801303887508



Business & Contracts : info@noorhikmah.com

General Enquiries : contact@noorhikmah.com



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