Md. Asif Ikbal



Address: Avenue- 1, Plot - 1, Block- D, Mirpur -2.
Mobile: (+88) **01786961727** (Call/WhatsApp)
E-mail: mdasifikbal688@gmail.com
LinkedIn: linkedin.com/in/md-asif-ikbal/
GitHub: github.com/AsifIkbal1
Website https://asif-ikbal-ochre.vercel.app/about

Career Summary:

- ***Dynamic Machine Learning & Automation Professional*** *with* ***5+ years of experience*** *in AI, data science, machine learning, workflow automation, and predictive analytics.*
- *Expertise in* ***Python, Generative AI, Agentic AI, NLP, LLMs, RAG, Lang Chain, n8n, API Integration, and data visualization.***
- *Proven ability to develop* ***AI-powered workflows, intelligent applications, chatbots, voice automation, forecasting models, and process digitalization solutions.***
- *Strong analytical skills in* ***EDA, business analytics, operational optimization, and data-driven decision-making.***
- *Guided* ***200+ students*** *in Python, Machine Learning, data analysis, and project development while building* ***550+ AI/ML projects*** *across diverse applications.*

Objective:

- To work as a **Machine Learning & Automation Specialist**, driving AI innovation, intelligent automation, predictive analytics, and business transformation.

Key Proficiencies:

- Machine Learning & Predictive Modeling
- AI-Powered Workflow Automation
- Python Programming & Data Analysis
- Generative AI & LLM Applications
- Natural Language Processing (NLP)
- Agentic AI & Multi-Agent Systems
- Process Digitalization & Automation
- Exploratory Data Analysis & Data Visualization
- Forecasting & Business Analytics
- AI Chatbots & Intelligent Applications
- API Integration & Web-Based Automation
- Problem Solving & AI-Driven Process Advance

Date of Birth: 10th November 2000 **Passport No:** A12263245

Job Experience:

Executive – System & Support (Head of IT and Digital Operation)
Ritorica Information Technology (BD) Ltd. 4 October – Present

- Designed, developed, and maintained the company's internal software systems and digital infrastructure.
- Developed and managed the company's **Supplier Relationship Management (SRM) System**, streamlining supplier-related operations and business processes.
- Designed, developed, and maintained the company's official website, ensuring functionality, usability, and ongoing updates.
- Developed customised software solutions to support business operations and improve organisational efficiency.
- Analysed existing business processes and identified opportunities for system development, automation, and digital transformation.
- Managed system configuration, technical support, troubleshooting, and ongoing software maintenance.
- Coordinated technical requirements and implemented technology-driven solutions based on organisational needs.
- Supported database management, system functionality, data handling, and software performance.
- Took end-to-end responsibility for software development, implementation, testing, and maintenance.
- Provided technical assistance and ensured the smooth operation of the company's IT systems.

Key Achievements

- Successfully designed and developed the company's SRM system, digitising supplier relationship and management processes.
- Developed the company's official website and established its digital presence.

- Delivered multiple customised software solutions tailored to the company's operational requirements.
- Improved business process efficiency through software development and digital workflow implementation.
- Reduced dependency on manual processes by introducing technology-driven business solutions.
- Centralised key operational activities through customised internal software systems.
- Strengthened the company's digital infrastructure through continuous system development and technical support.
- Independently handled end-to-end software development initiatives, from requirement analysis to deployment and maintenance.
- Contributed to the company's digital transformation by developing and maintaining its core technology solutions.

Automation Developer & Student Associate, ***Daffodil International University*** *Jul'25 to June 26*

- Developed **AI-powered workflow automation** for repetitive university administrative and student service processes.
- Analyzed manual workflows and identified opportunities for **digitalization and process automation**.
- Supported **web-based systems** for student registration, forms, data collection, and administrative processes.
- Automated university **club registration and member onboarding** processes.
- Supported **AI-powered voice automation** for Psychology Service Center appointment management.
- Guided students on **Machine Learning projects, Python, data analysis, and model development**.
- Delivered practical training on **Python-based data analysis and ML concepts**.
- Supported academic activities for approximately **200 students** as a Student Associate.
- Conducted classes in the teacher's absence and supported **exams and academic activities**.
- Provided **academic guidance, student support, and faculty–student coordination**.

Achievements:

- Digitized repetitive manual processes through **AI and workflow automation**, improving service efficiency.
- Contributed to **automated student registration and administrative workflows**, reducing manual processing.
- Helped streamline **club registration and member onboarding** through web-based automation.
- Contributed to an **AI-powered voice appointment system** for the Psychology Service Center.
- Applied **AI, Automation, Python, and ML** to practical university process-improvement initiatives.
- Reduced dependency on **manual data entry and repetitive administrative tasks** through digital solutions.
- Supported the academic development of approximately **200 students** through regular guidance and assistance.
- Maintained academic continuity by **conducting classes and managing classroom activities** when required.
- Strengthened students' practical skills in **Python, Data Analysis, and Machine Learning** through hands-on guidance.
- Developed strong capabilities in **Leadership, Communication, Problem Solving, Team Management, and Academic Coordination**.

Junior Data Scientist, ***Datasoft Manufacturing & Assembly*** *May'24 to Apr'25*

- Conducted **data analysis and forecasting** to support business decision-making.
- Developed **analytical models** for operational cost and performance optimization.
- Analyzed **electricity consumption** to identify usage trends and cost-saving opportunities.
- Used **Python and analytics tools** for data processing, modeling, and insights.
- Prepared **data-driven reports and recommendations** for business stakeholders.
- Supported analytical projects for clients including **Shwapno and Crimson Cup Coffee**. **Achievements:**
- Generated **actionable insights** to support data-driven business decisions.
- Identified **operational trends and cost drivers** through analytical modeling.
- Improved business visibility through **forecasting and trend analysis**.
- Delivered insights into **electricity usage and potential cost optimization**.
- Converted complex datasets into **practical business recommendations**.
- Strengthened client decision-making through **Python-based analytics and forecasting**.

Intern Data Scientist, ***HR Venture*** *Jan'22 to Jun'22*

- Executed **real-world data analysis projects** for international clients, transforming datasets into actionable insights.
- Conducted **exploratory data analysis (EDA)** to identify trends, patterns, and key business insights.
- Developed **data visualizations and analytical reports** to communicate findings effectively.
- Applied **data-driven approaches** to support business decisions and improve analytical outcomes.
- Collaborated on client-focused projects, delivering **accurate, insightful, and decision-supporting analysis**.

Academic Qualification:

- B.Sc. in Computer Science and Engineering from Daffodil International University with CGPA 3.00 out of 4 in 2026.

- Diploma in Computer Engineering from Dinajpur Polytechnic Institute with CGPA 3.75 out of 5 in 2022.
- SSC in Science from Gaibandha Government Boys' High School with GPA 4.50 out of 5 in 2017.

Research & Projects:

- Conducted research on "The Impact of Artificial Intelligence (AI) Tools on Students' Academic Productivity and Learning Efficiency" and developed/published 550+ GitHub projects across AI, Machine Learning, Generative AI, NLP, workflow automation, predictive analytics, and intelligent applications, including medical chatbots, diabetes prediction, sentiment analysis, and plant disease detection.

Training & Certifications:

- AI Agent Development — Ostad, 2026, 1 Year
- Kaggle Machine Learning — Kaggle, 2024, 4 Months
- Tableau Data Science — Tableau, 2024, 6 Months
- Full Stack Data Science — iNeuron, 2024, 14 Months
- Google Data Analytics — Google, 2024, 3 Months
- Machine Learning Training — 2024

Award: ICT Award – Mobile Game & Application Development | Robi Hackathon

Extra-Curricular Activities:

- Served as a frontline volunteer in university programs and events, supporting event coordination, participant management, logistics, and on-site activities.

Soft Skills: Teamwork, Convincing, Inspiring, Influencing, Negotiation, & Leadership Skills.

Computer & Technical Skills: Proficient in Microsoft Word, Excel & PowerPoint; Python; Machine Learning; Deep Learning; Natural Language Processing (NLP); Agentic AI; Generative AI; Retrieval-Augmented Generation (RAG); ChromaDB; FAISS; Pinecone; LLMs (OpenAI, Hugging Face); LangChain Framework; Multi-Agent AI Systems; n8n Workflow Automation; API Integration; Power BI; Tableau; MySQL; Jupyter Notebook; Anaconda; Visual Studio; Google Colab; Kaggle Notebook; and PyCharm.

Language: Fluent in both Bengali and English.

References:

1. Md Masudur Rahman, CEO, Alif-Lam-Mim School.
   Phone: (+88) **01716373402**, **Email:** **tsakamoto689@gmail.com**
2. Redwan Hossain, Software Engineer, Brain Station 23.
   Phone: (+88) **01767409798**, **Email:** **redwan.hossain@brainstation-23.com**