

Risha Mondal

Machine Learning Engineer

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SUMMARY

Machine Learning Engineer with experience in NLP pipelines, OCR systems, LLM-based platforms, and cloud-deployed APIs. Strong foundation in ML-ready data pipelines, scalable backend systems, and AI integration.

SKILLS

Languages	Python, Java, JavaScript
ML / NLP	Regression, Classification, Clustering, Feature Engineering, NLP Pipelines
LLMs	Prompt Engineering, Multi-LLM Orchestration
Frameworks	Scikit-learn, TensorFlow (Basics), React, Node.js
Data / Cloud	MongoDB, SQL, Firebase, REST APIs, Cloud Functions

EXPERIENCE

Full Stack Developer ML Engineer — Kyrotics Webel Mar–Present
Built scalable MERN applications, analytics-ready APIs, and cloud-deployed backend systems.

Full Stack Developer Intern — Pinnacle Labs May 2024
Developed full-stack applications with structured data models and REST architectures.

PROJECTS

Bhasantar — AI Translation NLP Pipeline Production-grade multilingual translation system with modular preprocessing, inference, post-processing, and scalable API-based deployment.

OCR Processing Pipeline End-to-end OCR system for document ingestion, text extraction, normalization, and structured output generation using batch and API workflows.

Multi-Model Chat Interface (LLM Platform) Unified AI chat interface routing prompts across ChatGPT, Claude, Gemini, DeepSeek, and Mistral using real-time APIs and cloud infrastructure.

Expireo — Expirable URL Generator SaaS Analytics-driven SaaS platform capturing user interaction data for behavioral analysis and ML-ready usage prediction.

Agricultural E-Commerce Platform Data-centric MERN platform connecting farmers and consumers, designed for demand forecasting and recommendation use cases.

Compiler Hosting (Self-Managed) Deployed a secure, containerized multi-language code execution environment with sandboxing, API routing, and orchestration.

EDUCATION

B.Tech in Computer Science Engineering 2021 – 2025
Future Institute of Engineering and Management GPA: 8.7

Class XII 2020 – 2021
Kamala Girls' School Score: 8.5

Class X 2019
Kamala Girls' School

CERTIFICATIONS

SQL Assessment — HackerRank — Full Stack Development — Ardent Computech