

Krishna Lal

Asansol, West Bengal | krilal324@gmail.com | +91-73629XXXXX | github.com/Krish033-source | linkedin.com/in/krishna-lal-5b1a22321

SUMMARY

Machine Learning & MLOps Engineer specialising in scalable ML pipelines, AI-powered backend systems, and open-source development. Experienced in MLflow, Docker, FastAPI, AWS, and Linux administration and IOT. Passionate about deploying production-grade ML systems and automating data-driven workflows.

EDUCATION

Haldia Institute of Technology — B.Tech, CSE - Data Science

2024 – Present | Haldia

CGPA: 8.85 (up to 4th Semester) | Expected Graduation: 2028

EXPERIENCE

Vice President – GRID Community

2025 – Present

- Led operations for a 2000+ member technical community; organised 4 industry-speaker events with end-to-end logistics.
- Drove community growth through structured engagement programmes and outreach initiatives.

Technical Member – ISTE

2025 – Present

- Served as a Technical Member of the institution's ISTE chapter, supporting technical initiatives and events.
- Volunteered and coordinated 8+ technical events, handling planning, logistics, and on-ground execution.

Project Admin (LACOPRED) – ISTE Open Source 101

2025 | Remote

- Coordinated contributor onboarding, issue tracking, and documentation workflows across the open-source programme.
- Facilitated collaboration between contributors and maintainers through GitHub pull requests and code reviews.

Open Source Contributor – Resourcio Aperture 3.0 & ELUSOC

2025 | Remote

- Enhanced project documentation and README workflows to improve contributor onboarding in both programmes.
- Applied Git/GitHub best practices for version control, pull requests, and distributed repository management.

PROJECTS

GitSetLive – AI-Powered GitHub Repository Management Platform

[GitHub](#)

- Built intelligent repo-management platform with GitHub OAuth, automated auditing, and AI-assisted analysis workflows.
- Developed FastAPI backend services and PostgreSQL storage; deployed on Linux with Bash automation.

Tools: Python, FastAPI, GitHub API, PostgreSQL, Linux

Smart Water-Borne Disease Alert System – ML Prediction System

[GitHub](#)

- Processed health datasets with Pandas/NumPy; engineered features and trained Scikit-Learn classifiers for early-risk detection.
- Designed analytics dashboards to support data-driven community health decision-making.

Tools: Python, Pandas, NumPy, Scikit-Learn

RESUME COPILOT – ML-Powered Resume Analysis System

[GitHub](#)

- Automated candidate profile extraction and JD-matching pipeline using Scikit-Learn and NLP techniques.
- Reduced manual screening effort with scoring workflows built on Pandas data processing.

Tools: Python, Scikit-Learn, Pandas, APIs

MorphCrypt – Secure Encryption Utility

[GitHub](#)

- Implemented cryptographic file-protection workflows using Python security libraries and Linux-based security practices.
- Automated secure file processing with Bash scripting for system-level administration tasks.

Tools: Python, Encryption Models, Bash

SKILLS

Languages: Python, C, Bash, SQL, R, JavaScript

Machine Learning: NumPy, Pandas, Scikit-Learn, Feature Engineering, Model Evaluation, Deep Learning, LLMs, RAG

MLOps: MLflow, Docker, FastAPI, Git, GitHub, CI/CD

Cloud & DevOps: AWS, Linux Administration, Bash Scripting

Soft Skills: Leadership, Team Management, Public Speaking, Community Building

ACHIEVEMENTS

- 1st Position – InnovateX Hackathon 2025
- 3rd Position – National Level Ideathon 2025
- Participant – Smart India Hackathon (SIH) 2025
- Project Admin – ISTE Open Source 101 | Contributor – Resourcio Aperture 3.0 & ELUSOC

CONFERENCES & EVENTS

Bitcoin India Conference 2025 (Attendee) | HTF Buildathon Kolkata 2025 (Attendee) | MLH Diversion 2026 (Participant)