

Sania Gurung

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EDUCATION

Amity University

2023 – 2027

Bachelor of Technology in Computer Science & Engineering (AI & ML Specialization)

EXPERIENCE

AI Engineering Intern

May 2026 – Jul 2026

Winniio / LifeAtlas

Sweden (Remote)

- Designed and trained an ML model for intelligent threat detection, classifying and flagging security vulnerabilities by risk severity, partnering with engineering leads to align model design with production-grade requirements.
- Engineered a dependency vulnerability scanner with CVE/OSV database integration and a severity trend visualization system to track security posture across teams over time.

AI Engineer Intern

Aug 2025 – Dec 2025

Stakrid

Noida

- Developed a face detection system for rider identity verification with real-time image processing, and built a financial workflow module to flag discrepancy transactions using rule-based logic and anomaly detection.
- Contributed to code reviews and upheld best practices for maintainable, production ready code.

PROJECTS

Mini Agent Observatory | *Ollama, FastAPI, Grafana, GitHub Actions*

2026

- Built a fully local, self-hosted LLM agent platform that traces every model call, caches repeated requests, and performs multi-step reasoning; automatically evaluated across 2 dimensions quality and safety on every code push.
- Designed an async pipeline with Redis/Celery background workers and 3 live Grafana dashboards tracking latency, cache hit rate, and request history; CI blocks deployment if automated safety-refusal evals fail.

ML Data Pipeline with Airflow | *Airflow, DistilBERT, MLflow, DVC*

2026

- Built a fully automated 4-stage pipeline (scrape, weak-label, fine-tune, serve) that pulls live BBC headlines daily and classifies them into 3 categories: news, sport, and entertainment.
- Versioned every dataset, logged all training experiments in MLflow, and served the trained model via FastAPI entire pipeline runs end-to-end with a single command, no cloud account required.

Symbiotex – Intelligence Perception System | *TensorFlow, Computer Vision, Python*

2025

- Implemented object detection for persons, vehicles, and aircraft alongside a text-based threat classifier, generating structured JSON reports consumed by downstream layers.
- Presented at AI Summit 2026 at Bharat Mandapam, New Delhi attendees included the Ministry of Home Affairs, company founders, and senior professionals from leading organizations.

NotiCore – Notification Microservice | *Java, Spring Boot, Kafka, Redis, Supabase*

2024

- Built a 3-channel (email, SMS, push) notification microservice routing messages via Apache Kafka, with Redis-based deduplication, per-user sliding-window rate limiting, and Spring Retry exponential backoff with dead-letter-queue handling.
- Exposed a REST API and Picocli CLI; containerized Kafka and Redis via Docker Compose with a full Postman collection for end-to-end API testing.

TECHNICAL SKILLS

Languages: Python, Java, SQL

ML & AI: TensorFlow, CNN, Scikit-learn, Pandas, NumPy, Ollama, Apache Airflow, MLflow, DVC, Docker

Backend: FastAPI, Spring Boot, Spring Framework, REST APIs, Redis, Kafka, Celery, PostgreSQL, MySQL, SQLite, Supabase

Developer Tools: Git, GitHub, Docker Compose, GitHub Actions, Grafana, VS Code, IntelliJ IDEA, Postman

Core Competencies: DSA, Machine Learning, Agentic AI, Backend Development, OOPs

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Machine Learning Specialization, Stanford Online (Andrew Ng) — 2026

Data Structures & Algorithms, Coding Ninjas — 2024–2025

Java Spring Framework 6 with Spring Boot 3, Udemy — 2025