ARYAN SHARMA GAIRE

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EDUCATION

BTech in Computer Science

Kalinga Institute of Industrial Technology **Class of 2026**
- CGPA: 9.02/10

Higher Secondary Education

New Horizon E.B HIgher Secondary School **Class of 2022**
- 10th: 3.9/4 GPA
- 12th: 75.02%

PROJECTS

DeepScript   **Visit Site**   Oct 2024 - Jan 2025

- Built a handwriting model that converts any digital text into realistic human writing by taking handwriting samples from the user.
- A Fine-Tuned Transformer model was used to recognize each handwritten characters.
- Created interactive UI using ReactJS, containerized with Docker and deployed on Vercel.

PromptToAnimation   **Visit Site**   Feb 2025 - March 2025

- Created a Gemini-powered web application that can visualize any mathematical concepts and ML algorithms with a beautiful animated video explanation.
- Leveraged the powerful Manim library for the core animation logic.
- Designed the UI using ReactJS, containerized with Docker and deployed on Vercel.

Research Agent   **Visit Site**   April 2025 - Ongoing

- Built a sophisticated research agent using Langgraph and Gemini.
- Based on the prompt, the agent generates sample queries, does real-time web search, analyzes them, and continues the loop till it returns the best answer with proper citations.

Experience

SDE Intern - HighRadius   Sept 2024 - Dec 2024
- Built and shipped a React + Node.js feature that reduced average page load time.
- Automated CI/CD pipeline with Github Actions.
- Wrote monitoring dashboards and alerts using Prometheus and Grafana.

ML Intern - Osfin   March 2025 - May 2025
- Trained and deployed a PyTorch fraud-detection model that improved AUC and F1 score.
- Built an Airflow ETL to clean and feature-engineer rows (PySpark), to reduce training and inference time.

TECHNICAL SKILLS

- **Languages:** Python, C++, Java, TypeScript
- **ML Frameworks**: TensorFlow, HuggingFace Transformers, Langchain
- **Web Frameworks:** FastAPI, Flask, ReactJS, Node.js
- **Database:** MongoDB, MySQL, PostgreSQL
- **DevOps :** Github Actions, Docker, Kubernetes

Certifications

- **AWS Academy Cloud Foundations**
- **AWS Academy Data Engineering**
- **IBM Data Science using Python**
- **IBM AI Engineering**