



KEY EXPERTISE

C++ Python MySQL NumPy Pandas Scikit-Learn TensorFlow OpenCV Computer Vision Flask
NLP(fundamentals) Machine Learning Deep Learning MongoDB React.js DBMS Operating Systems

EDUCATION

LNMIIT Institute of Information Technology

2022 - 2026

B.Tech. - ECE | CGPA: 7.53 / 10

PRAGATI VIDYA PEETH, Gwalior

2022

12th | CBSE | Percentage: 91.20 / 100

Delhi Public School, Bhiwani

2020

10th | CBSE | Percentage: 95.60 / 100

INTERSHIPS

Aditya Birla Group | IT / Computers - Software

26 May, 2025 - 10 Jul, 2025

IT Intern

Key Skills: React.js, Tailwind CSS, Flask, Python, ResNet (CNN), Image Similarity Matching

- Developing a chatbot for an existing clothing website using React and Tailwind CSS.
- Integrating a ResNet-based CNN model trained on a local dataset to match images with similar company products.
- Using Flask for backend and model integration.

PROJECTS

AI-Powered Document Q/A System

20 Jul, 2025 - 10 Aug, 2025

Team Size: 4

Key Skills: LangChain, Azure OpenAI, FAISS, FastAPI

Project Link: https://github.com/Aryas2004/ai_ques-ans-system

- Developed an LLM-powered QA system using LangChain, Azure OpenAI, and FAISS for fast semantic document retrieval.
- Implemented web scraping, intelligent text chunking, and multilingual translation to deliver accurate, context aware answers from diverse document formats.

Intelligent Traffic Management System

20 Jan, 2025 - 15 May, 2025

Team Size: 3

Key Skills: Python, Computer Vision, OpenCV, YOLOv8, NumPy, Pandas

Project Link: <https://github.com/Aryas2004/Adaptive-Traffic-light-yolov8>

- Implemented vehicle detection and tracking with YOLOv8 on video feeds; initially prototyped the system using Pygame.
- Developed a system to count vehicles per lane and analyze traffic density for smarter signal control.
- Designed an adaptive signal timing algorithm that adjusts green light duration based on vehicle presence and lane occupancy.
- Currently working on emergency vehicle detection to prioritize their passage through traffic signals.

Cosmetic Recommender

01 Aug, 2024 - 05 Aug, 2024

Team Size: 1

Key Skills: Python, Pandas, NumPy, Scikit-learn, t-SNE

Project Link: <https://github.com/Aryas2004/MatchMySkin>

- Developed a content-based system to suggest affordable alternatives to premium cosmetics using ingredient similarity.
- Applied t-SNE to visualize ingredient profiles and ensure skin-type compatibility.

ACHIEVEMENTS

- Ranked among the Top 150 teams in HackRx Hackathon organized by Bajaj Finserv

POSITIONS OF RESPONSIBILITY

Google Developer Students Club

- Skilled in content writing, event management, hackathon organization, and securing sponsorships.

The Counselling and Guidance Cell, LNMIIT

- Managed hostel arrangements, facilitated document verification, anchored events, and provided academic and career support.

PERSONAL DETAILS

Gender: Female

Date of Birth: 22 Apr, 2004

Current Address: Mars-A ,202, Vasant Galaxy, Goregaon,
Mumbai, Maharashtra, India - 400104

Phone Numbers: +91-7015129509, +91-9992019106

Emails: 22uec026@lnmiit.ac.in , arias042204@gmail.com

WEB LINKS

- Other - https://leetcode.com/u/_Arya_2004/
- Github - <https://github.com/Aryas2004>