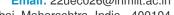


ARYA SINGH B.Tech. - ECE Ph: +91-7015129509

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KEY EXPERTISE

MySQL NumPy Scikit-Learn TensorFlow C++ Python Pandas OpenCV Computer Vision Flask

NLP(fundamentals) Machine Learning Deep Learning MongoDB React.js DBMS Operating Systems

EDUCATION

LNM 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**

INTERNSHIPS

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

Al-Powered Document Q/A System 20 Jul, 2025 - 10 Aug, 2025

Team Size: 4

Key Skills: LangChain, Azure OpenAl, 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

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

POSITIONS OF RESPONSIBILITY

Google Developer Students Club

o 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

Current Address: Mars-A ,202, Vasant Galaxy, Goregaon,

Mumbai, Maharashtra, India - 400104

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Date of Birth: 22 Apr, 2004

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WEB LINKS

Other - https://leetcode.com/u/_Arya_2004/

o Github - https://github.com/Aryas2004