



ADARSH ANAND

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B.Tech, Computer Science and Engineering

Address : SRM HOSTEL SRM University



Summary

Computer Science undergraduate(CGPA:9.7/10.0) with hands-on experience using Python, SQL, REST APIs during internships at DRDO and Tata Steel. Worked on building and improving the workplace safety detection system using Computer Vision and basic machine learning concepts. Strong foundation in Data Structures and Algorithms with a consistent learning mindset. Currently strengthening skills in React and Node.js and exploring Cloud fundamentals and Redhat. Looking for opportunities involving problem-solving, data workflows, and collaborative software development.

Education

SRM IST-Kattankulathur

B.Tech · Computer Science and Engineering

2027

CGPA - 9.72/10

Vikas Vidyalay

Class XII - CBSE · MPC · Begusarai Bihar

2023

Percentage - 83.33%

DBMS KADMA HIGH SCHOOL

Class X - CBSE · Maths Science Social science Hindi English Information technology · Jamshedpur Jharkhand

2020

Percentage - 90.1%

Experience

DRDO(SSPL)

AI Intern · Intern · Internship

Jun 2025 - Jun 2025

Delhi,India

Developed a real-time AI-based video analytics system using **YOLOv8**, **OpenCV**, and **Python** to detect Safety equipment compliance (e.g., hardhats, vests, masks) and unsafe behaviors in industrial environments. Integrated **Flask API** and a responsive dashboard for live monitoring. Contributed to enhancing workplace safety standards in defense and manufacturing setups.

TATA STEEL

AI-Based Video Analytics Intern · Intern · Internship

Jun 2025 - Jul 2025

Remote/Jamshedpur,India

Worked on developing a monitoring system using **YOLOv8**, **OpenCV**, and **Python** to detect industrial safety violations such as missing PPE (helmets, vests). Assisted in building an AI-powered compliance monitoring solution to improve worker safety through automated video surveillance and incident detection in manufacturing environments.

Skills

Programming Languages: C++, Python, JavaScript

Technical Skills: Data Structure and Algorithms, OOPS

Languages and Frameworks: HTML5, MySQL, Flask

Design and Simulation Tools: CSS

Domain Knowledge: Machine Learning, Database Management, Computer Networks

Tools and Technologies: OpenCV, YOLOv8, Git, GitHub

Areas of Interest: AWS, Agile Mindset, Problem Solving, Team Collaboration

Projects

Intelligent Travel Recommendation System | [Link](#)

College Project · Python, Scikit-learn, React JS,

Aug 2025 - Nov 2025

Machine Learning

Created a content-based travel recommendation system using KNN(cosine similarity) · Modeled user attributes such as mood, climate, activity, and budget into numerical feature vectors for personalized recommendations. · Implemented and evaluated a Logistic Regression classifier using Accuracy, Precision, Recall, F1-score, and MSE

Industrial Safety Monitoring System Link DRDO · Python, YOLOv8, OpenCV, Flask, SQL, HTML, CSS, JavaScript Developed a real-time AI-based video analytics system to detect Safety Equipments compliance (e.g., hardhats, vests, masks) and unsafe behaviors in industrial settings. Trained YOLOv8 on custom datasets and integrated a Flask API and responsive UI for live monitoring, incident logging, and compliance reporting.	May 2025 - Jul 2025 Computer Vision And AI
Store Management System Link College Project · PHP, MySQL, HTML, CSS, JavaScript Built a full-stack store management application to automate inventory, billing, and service tracking for a retail shop handling printer sales and automobile parts. Key features include low-stock alerts, invoice generation, customer management, and searchable product listings.	Feb 2025 - Apr 2025 Database Management
Personal Portfolio Website Link Personal · HTML, CSS, JavaScript Created a fully responsive personal portfolio website to showcase skills, projects, and resume. Implemented smooth scrolling, structured sections (About, Projects, Contact), and a clean UI/UX design. Deployed live for professional branding.	Jan 2025 - Feb 2025 Front End

Certifications

Introduction to Database Systems Certificate NPTEL · NPTEL25CS40S143207141	Apr 2025
Introduction to Machine Learning Certificate NPTEL · NPTEL25CS149S233205446	Nov 2025
GeeksforGeeks Web Development GeeksforGeeks	Apr 2026
CISCO Networking Basics CISCO	Nov 2025
Beginning C++ Programming-Beggining to Beyond Certificate Udemy · UC-52a04282-b2b2-4384-bf12-35cf0e3ac46c	Apr 2024

Links

[LeetCode](#), [LinkedIn](#), [GitHub](#), [Instagram](#)

Volunteering

IEI Volunteer	Jul 2023
Government High School Teaching Intern · Community Development Taught students computer fundamentals in order to broaden their understanding about internet , ethical practices and fothcoming technologies.	Jun 2025 - Jul 2026

Languages

English [Professional Working Proficiency], Hindi [Native Proficiency]

Competitions

Alexaverse Ideathon Top 12 · Alexaverse SRM	
Ultron 8.0 NA	Jul 2025