



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

May 2025 - Jul 2025
Computer Vision And AI

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.

Store Management System | [Link](#)

College Project · PHP, MySQL, HTML, CSS, JavaScript

Feb 2025 - Apr 2025
Database Management

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.

Personal Portfolio Website | [Link](#)

Personal · HTML, CSS, JavaScript

Jan 2025 - Feb 2025
Front End

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.

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

Jun 2025 - Jul 2026

Taught students computer fundamentals in order to broaden their understanding about internet , ethical practices and fothcoming technologies.

Languages

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

Competitions

Alexaverse Ideathon

Top 12 · Alexaverse SRM

Ultron 8.0

NA

Jul 2025