



# ADARSH ANAND

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B.Tech, Computer Science and Engineering

Address : SRM HOSTEL SRM University



**SRM**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University u/s 3 of UGC Act, 1956)

## 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

<b>Industrial Safety Monitoring System</b>   <a href="#">Link</a>	May 2025 - Jul 2025
DRDO · Python, YOLOv8, OpenCV, Flask, SQL, HTML, CSS, JavaScript	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.	
<b>Store Management System</b>   <a href="#">Link</a>	Feb 2025 - Apr 2025
College Project · PHP, MySQL, HTML, CSS, JavaScript	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.	
<b>Personal Portfolio Website</b>   <a href="#">Link</a>	Jan 2025 - Feb 2025
Personal · HTML, CSS, JavaScript	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

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<b>Introduction to Database Systems</b>   <a href="#">Certificate</a>	Apr 2025
NPTEL · NPTEL25CS40S143207141	
<b>Introduction to Machine Learning</b>   <a href="#">Certificate</a>	Nov 2025
NPTEL · NPTEL25CS149S233205446	
<b>GeeksforGeeks Web Development</b>	Apr 2026
GeeksforGeeks	
<b>CISCO Networking Basics</b>	Nov 2025
CISCO	
<b>Beginning C++ Programming-Beginning to Beyond</b>   <a href="#">Certificate</a>	Apr 2024
Udemy · UC-52a04282-b2b2-4384-bf12-35cf0e3ac46c	

## Links

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

## Volunteering

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<b>IEI</b>	Jul 2023
Volunteer	
<b>Government High School</b>	Jun 2025 - Jul 2026
Teaching Intern · Community Development	

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

## Languages

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

## Competitions

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<b>Alexaverse Ideathon</b>	Jul 2025
Top 12 · Alexaverse SRM	
<b>Ultron 8.0</b>	Jul 2025
NA	