Adarsh Anand

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Portfolio — LinkedIn — GitHub

Professional Summary

Computer Science undergraduate (CGPA: 9.7/10) with a strong foundation in Object-Oriented Programming, Data Structures, and Algorithms. Developed functional prototypes during internships at DRDO and Tata Steel, specifically focusing on the reliability and latency of computer vision pipelines. Disciplined self-learner currently expanding technical stack into React, Django, and AWS; eager to contribute to collaborative engineering teams in Agile environments.

Technical Skills

Programming: Python, C++, JavaScript, SQL, OOP, Data Structures & Algorithms
GeeksforGeeks: Score 687 — 380+ Problems Solved — Institute Rank: 167
Backend & Web: Flask, REST APIs, HTML5, CSS3 *(Learning: React, Django)*
Databases: MySQL, Relational Schema Design, SQL Queries
AI & CV: YOLOv8, OpenCV, ML Fundamentals (Supervised/Unsupervised)
Tools: Git, GitHub, VS Code *(Upcoming: AWS Cloud Foundations Certification)*

Work Experience

AI Intern – DRDO (SSPL), Delhi June 2025 – July 2025

- Developed a real-time PPE compliance monitoring system using Python, YOLOv8, and OpenCV, optimizing the pipeline for detection accuracy and real-time responsiveness.
- Built a Flask-based REST API and logging dashboard to store and visualize 100+ safety events, demonstrating ownership of the end-to-end data flow.
- Iteratively debugged system-level bottlenecks in the frame-processing loop to improve reliability under noisy industrial footage.

AI Project Intern – Tata Steel (Tata Parikshan) June 2025 – July 2025

- Engineered PPE detection modules that improved safety compliance reporting efficiency by 40% through reliable workflow integration.
- Collaborated in a 6-member cross-functional team, coordinating interfaces between detection logic and backend reporting logic.
- Participated in regular sprint-style discussions to resolve blockers and adapt features based on technical feedback.

Projects

Store Management System (PHP, MySQL) Feb 2025 – Apr 2025

- Designed a full-stack application with secure authentication and inventory CRUD logic.
- Developed backend features for automated billing and stock-level notifications, applying analytical skills to ensure data consistency.

Personal Portfolio Website Jan 2025 – Feb 2025

- Built a responsive site using HTML, CSS, and JavaScript, achieving a 100% Lighthouse performance score.
- Optimized assets and adopted mobile-first design to ensure fast load times and proactive problem-solving.

Education

SRM Institute of Science and Technology, B.Tech in CSE 2023 – 2027
CGPA: 9.7 / 10.0

Certifications

- **NPTEL:** Introduction to Database Systems (2025)
- **AICTE:** Full Stack Developer Internship (2024)
- **SAP/ERP:** Digital Badges in Sales & Distribution and ERP Business Process Engineering (2025)

- **Finalist (Top 12):** Alexaverse Ideathon, SRM IST

Additional Information

Languages: English (Professional), Hindi (Native), German (Basic)
Soft Skills: Team Collaboration, Analytical Problem-Solving, Agile Mindset, Adaptability