Shreyansh Rao

📍 Noida ✉ Shreyanshrao13@gmail.com 📞 9650210477 **in** shreyanshrao13 ⌂ shreyanshrao

Summary

AI/ML engineer with experience in developing intelligent systems for code automation, computer vision, and recommender systems. Skilled in Python, machine learning frameworks, and algorithm design, with a strong foundation in data structures and problem-solving through LeetCode and Codeforces.

[Codeforces ↗](#)   [Leetcode ↗](#).

Technologies

Languages: Python, C++, C, SQL, HTML, CSS, JavaScript

AI / ML Frameworks: TensorFlow, RAG, LangChain, Scikit-learn, OpenCV, Pandas , LLMs & Agentic AI .

Tools & Libraries: Flask, Django, Regex, Pytest, DeepSORT, YOLO, Git, SQL, n8n.

Experience

Junior AI Developer   *Remote*
SmaranAI   *Jul 2025 – Aug 2025*

- Engineered an intelligent **code generation system using LLMs** to transform **50+** documents into clean, testable Python code with **90%** automation .
- Integrating human feedback loops to iteratively improve quality and boost developer productivity **by 35%**.
- Applied **prompt engineering** and incorporated **PyLint** (score consistently **9.0/10**) & **Pytest** for automated validation, reducing manual review time by **50 hours per month**.

Ai Research Intern ↗   *Remote*
Coding Jr   *Feb 2025 – Apr 2025*

- Performed AI-driven workflow and tech-stack analysis for platforms like ShareChat and CRED, **identifying developer productivity bottlenecks** and **scaling inefficiencies** in ML-powered feature deployment.
- Co-developed the **Planto AI Copilot** platform, enhancing software development throughput by automating code generation, testing, documentation, and deployment workflows.

Projects

Player re-identification ↗   *June 2025*

- Developed a **multi-camera player re-identification system** using YOLO and DeepSORT, achieving over **85% ID consistency accuracy** across dual video feeds by matching embeddings.
- Streamlined the multi threaded video analytics pipeline to process at **5 frames per second** while tracking **30+ objects** simultaneously, supporting scalable analytics for sports and surveillance.

Movie Recommendation ↗   *May 2025*

- Designed a content-based recommendation system leveraging **TF-IDF vectorization** and **cosine similarity** to provide tailored suggestions from a library of 5,000+ movies.
- Optimized real-time inference pipeline to achieve sub-second **query responses (0.7s)** and maintain **92% positive user feedback**.

Education

Ajay Kumar Garg Engineering College

B.Tech in Computer Science Engineering   *Nov 2022 – June 2026*

- Specialization in AI and ML
- **Coursework:** Data Structure and Algorithms, Operating System, Computer Networks, Machine Learning.