Harshit Kumar

Bhopal, Madhya Pradesh, India

📞 +91-6207042250 ✉ harshit22oct@gmail.com in LinkedIn 🐙 GitHub </> LeetCode

Education

- **VIT Bhopal University**   **2023 – 2027**
  B.Tech, Computer Science and Engineering   *GPA: 7.2 / 10*
- **Scottish Public School, Katihar, Bihar (CBSE Board)**   **2022 – 2023**
  Class XII (Senior Secondary Education)   *GPA: 6.3 / 10*
- **Scottish Public School, Katihar, Bihar (CBSE Board)**   **2020 – 2021**
  Class X (Secondary Education)   *GPA: 8.0 / 10*

Skills

Programming: C++, Java, Python
Web: HTML, CSS, React
Data & ML: Machine Learning, YOLO, OpenCV
Databases & OS: SQL, PL/SQL, Linux
Cloud: AWS

Projects

Sports Vision – Player Fitness and Performance Metrics   **Nov 2024 – Dec 2024**

- Built a real-time player tracking system using YOLO, Kalman Filter, and Deep SORT to analyze on-field movement patterns.
- Processed match video streams using OpenCV and trained computer vision models using TensorFlow and PyTorch.
- Derived performance metrics such as movement intensity and coverage to support training optimization and endurance analysis.

Progress Portal – Coding Progress and Performance Monitoring   **Apr 2025 – May 2025**

- Developed a centralized platform to monitor coding progress across LeetCode, CodeChef, Codeforces, GeeksforGeeks, and HackerRank.
- Collected and aggregated user data using APIs and scraping techniques, and visualized progress through interactive dashboards.
- Implemented weekly comparisons and leaderboards to help users track consistency and identify improvement areas.

Achievements

- Geodata Processing using Python (IIRS-ISRO)
- Finalist at HealthHackathon 2025 with Johns Hopkins University

Certifications

- **AWS:** Certified Cloud Practitioner – Sep 2025
- **AWS:** Technical Essentials – Sep 2025
- **IIRS–ISRO:** Geodata Processing using Python – Jan 2024
- **NPTEL:** Operating System and System Programming – Dec 2024
- **Google:** Bits and Bytes of Computer Networking – 2024
- **Vityarthi:** Python Essentials – May 2024