

Harshit Jaiswal

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EDUCATION

IIIT, Naya Raipur

Bachelor of Technology in Computer Science

CGPA: 8.54 (up to 6th semester)

Naya Raipur, Chhattisgarh

November 2022 - August 2026

Delhi Public School

CBSE 12th - 94.00%

Bhilai, Chhattisgarh

August 2022

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, Solidity, Dart, HTML/CSS

Tools: NodeJS, ExpressJS, NextJS, React, SQL, MongoDB, Numpy, Pandas, scikit-learn, Android Studio

Technologies: GNU/Linux, Git, GitHub, Vim, Unreal Engine 5, Godot, AWS, REST APIs

Relevant Courses: Operating Systems, DBMS, AI/ML, Deep Learning, Computer Networks, Distributed Systems.

EXPERIENCE

Unreal Engine Developer Intern

August 2024 - November 2024

Zetrance

- Collaborated with 2 teammates to design and develop VR simulation environment for EV battery manufacturing in Unreal Engine 5.0 which included developing the main menu and an interactive safety tutorial.
- Deployed an interaction system that dynamically mirrored real-time instructions from widgets onto 2 physical models.
- Simulated real-world machines with 4+ interactive components using Blueprint Interfaces.

ACHIEVEMENTS

- **1st in AI/ML track**, Hack-o-Harbour Hackathon, 2024 for **JobQuest**, an AI-based resume tracking app.
- **2nd** in Industry Academia Meet Hackathon, 2025, IIIT Naya Raipur for **Carbon Credits**, among 15+ teams.
- **1st in CTF** at IIIT Naya Raipur Tech Fest, 2025.

PROJECTS

Carbon Credits | Blockchain, Web3, React

January 2025 | [github](#) | [demo](#)

- Developed a decentralized carbon trading platform enabling transparent, secure transactions for **CSR activities**.
- Designed smart contract workflow in **Solidity** enabling NGOs to register carbon work for credits, followed by a multi-auditor voting system for verification, and credits can then be traded in the market with 10% royalty on resale.
- Estimated to **reduce fraud** in carbon markets by **44 to 54%** through enhanced transparency and accountability.

Athleo | Android Studio, Flutter

September 2024 | [github](#)

- Developed a fitness tracking app using Flutter featuring **real-time activity tracking**, personalized running routes, and **AI-powered coaching** to boost user engagement and improve user consistency.
- Leveraged Google Maps API for route generation and Gemini API for tailored coaching based on user metrics.
- Created a gamified reward system with 7-day activity tracking, leader-boards, and real-time metrics, enabling users to earn coins for completing challenges.

Real-time Behavior Analysis | Computer Vision, Python, OpenCV

April 2024 | [github](#)

- Engineered composite ML model in **Python 3.12** to assess teacher and student behavior, enhancing classroom engagement.
- Achieved **90%** pose detection accuracy using Google's **Mediapipe** for posture and motion tracking.
- Integrated **TensorFlow** for facial recognition, trained on MIT OCW lectures, achieving **81%** accuracy.

JobQuest | Web Development, Generative AI

February 2024 | [github](#) | [demo](#)

- Collaborated with a team of 4 to build an AI-driven recruitment platform that automates resume screening, reducing pre-interview work by approximately **70%** using AI based resume and skill evaluation.
- Incorporated Google's **word2vec** model and cosine similarity to calculate resume scores with **85%** accuracy.
- Utilizes a **two stage** process: comparing applicant's resume with the job-role, followed by skill test generation using Google's **Gemini API** to rank the candidates based on suitability. Increasing efficiency by **50%** over traditional screening.