Harshit Jaiswal

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EDUCATION

IIIT, Naya Raipur	Naya Raipur, Chhattisgarh
Bachelor of Technology in Computer Science	*November 2022 - August 2026*
CGPA: 8.46 (up to 5th semester)	
Delhi Public School	Bhilai, Chhattisgarh
CBSE 12th - 94.00%	*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
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- Collaborated with 2 teammates to design UI system for a VR simulation environment in Unreal Engine 5.0.
- Implemented an interaction system that connects UI with 2 real world actors that mirrors the widget information.
- Demonstrated proficiency in Blueprint Interfaces by simulating microwave appliance with 4+ interactive components for future interaction-based projects.

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 — solved **14 of 15** challenges.

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 workflows in **Solidity** for NGO credit registration, auditing, and trading—potentially reducing fraud by **44 to 54%**.
- Implemented a resale mechanism where 10% of resale value is routed back to support NGOs.

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 a 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.
- Integrated **Gemini API** to generate role-specific **skill tests** to assess candidates and rank them based on suitability. Increasing efficiency by **50%** over traditional screening.