

Harshit Jaiswal

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EDUCATION

IIIT, Naya Raipur

Bachelor of Technology in Computer Science

CGPA: 8.46

Naya Raipur, Chhattisgarh

November 2022 - August 2026

TECHNICAL SKILLS

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

Tools: NodeJS, React, SQL, MongoDB, Numpy, OpenCV, Pandas, Scikit-learn, Tensorflow, Android Studio, Flutter

Technologies: GNU/Linux, Git, Github, Vim, RaspberryPi, Unreal Engine 5, Godot

EXPERIENCE

Unreal Engine Developer Intern

August 2024 - November 2024

Zetrance

- Collaborated with 2 teammates to design UI system for a VR simulation platform in Unreal Engine 5.0
- Implemented interaction system that connects UI with 2 real world actors that reflect the information displayed in the widget
- Demonstrated proficiency in Blueprint Interfaces by simulating real-world appliance functionality for future interaction-based projects.

ACHIEVEMENTS

- 1st in AI/ML track - Hack-o-Harbour Hackathon, IIIT Naya Raipur

PROJECTS

Carbon Credits [WIP] | Ethereum, Sepolia

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

- Developed a decentralized Carbon Credit trading platform leveraging React, Flask, and Solidity, promoting transparency and accountability in CSR activities
- Integrated a royalty mechanism into the platform, ensuring 10% of every transaction value is automatically distributed to support NGOs, promoting social impact through continuous contributions.
- Web interface that implements a decentralized carbon market, issuing 100% certificates as proof of purchase
- Deployed the web application and smart contract on the Sepolia testnet, ensuring seamless interaction and testing in a decentralized environment.

Athleo | Android Studio, Flutter

September 2024 | [github](#)

- Developed a fitness tracking app using Flutter/Dart with real-time activity tracking (distance, pace, time), 3 personalized running routes, and AI-powered coaching features.
- Integrated Google Maps API for route generation and Gemini AI for 100% tailored coaching advice based on user metrics
- Implemented a gamified reward system with 7-day activity tracking, leaderboards, and real-time metrics, enabling users to earn coins for crossing checkpoints

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

April 2024 | [github](#)

- Engineered a composite ML model in **Python 3.12** assessing teacher and student behavior, promoting a productive classroom environment
- Leveraged Google's **Mediapipe** in pose estimation, achieving 90% accuracy
- Integrated **Tensorflow** for facial recognition trained on MIT OCW lectures, achieving 81% accuracy

JobQuest | Web Development, Generative AI

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

- Built a comprehensive web app that streamlined the tracking resume applications, integrating a generative AI to automatically generate customized skill assessments based on job descriptions, enhancing recruitment efficiency
- Incorporated Google's **word2vec** model and cosine similarity to calculate resume scores with 85% accuracy
- Reduced recruiter's workload by 50% using the **Gemini API** to generate skill tests and screen applicants