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	

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, Solidity, Dart, HTML/CSS
Tools: NodeJS, React, SQL, MongoDB, Numpy, Pandas, OpenCV, Scikit-learn, Android Studio, Flutter
Technologies: GNU/Linux, Git, Github, Vim, RaspberryPi, Unreal Engine 5, Godot, AWS

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 for JobQuest an AI assisted resume tracking app

PROJECTS

Carbon Credits [WIP] | **Ethereum, Sepolia, PostgreSQL**   January 2025 | [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 of 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.