

# ROHAN REDDY

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📁 GitHub: <https://github.com/Rohan1011>

## Professional Summary

Detail-oriented and self-motivated Computer Science undergraduate with practical experience in blockchain, full-stack web development, and deep learning. Proficient in building scalable decentralized applications and real-time systems. Seeking to join innovative software teams where performance, security, and user experience are priorities.

## Technical Skills

Programming Languages: Python, C++, Solidity, JavaScript

Web Technologies: HTML5, CSS3, Web3.js, MetaMask, Hardhat

Blockchain: DApps, Solidity, Polygon Testnet

Tools & Platforms: Git, VS Code, PyCharm, Draw.io

AI/ML: PyTorch, OpenCV, CUDA

## Projects

### Blockchain-based Data Integrity System (DISAC)

URL: <https://github.com/Rohan1011/DISAC>

- Tech Stack: C++, OpenSSL, Crow, SQLite3
- Developed a decentralized academic credential verification system with custom blockchain.
- Built a robust backend in C++ and implemented OpenSSL for secure digital signatures.
- Designed REST APIs and multi-role user access (universities, students, employers).
- Achieved a 93% improvement in credential verification speed through real-time validation.

## Video Frame Interpolation Using Deep Learning (RIFE)

URL: <http://github.com/Rohan1011/Real-Time-Intermediate-Flow-Estimation-for-Video-Frame-Interpolation>

- Tech Stack: PyTorch, OpenCV, CUDA
- Implemented a frame interpolation model for smooth video playback using deep learning.
- Enabled real-time video processing with CUDA-based GPU acceleration.
- Has success rate of 93% and finish execution under an hour.

## Education

### Bachelor of Engineering (B.E.) in Computer Science

Vemana Institute of Technology, 2022 – Present, Aggregate CGPA(till 6 sem) – 7.3

### Pre-University

RJS PU College, 2020 – 2022, Aggregate percentage – 76%

### School

Sudarshan Vidya Mandir ICSE, 2010 – 2020, Aggregate percentage – 74%

## Certifications & Achievements

NPTEL: Python for Data Science – 72%

Infosys Springboard: Cloud Computing, Architecting Cloud Solutions on Azure

Flipkart GRiD 6.0: Participated in national-level hackathon

Science Olympiad: District 3rd Rank

Naukri.com NCAT: Score – 27404

## Internships

- International Institute Of SDGs & Public Policy Research: worked on CNN for 3 months.
- Coding Junior: Worked on Graphic Design for 3 months.

## Soft Skills

Problem Solving, Leadership, Resilience, Creativity, Communication

## Interests

Gaming, PC Building, Video Editing, Music, Fitness