

Harsh Jain

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EDUCATION

VIT Bhopal University

B. Tech in Computer Science and Engineering

Nov 2022 – Present

CGPA: 8.63/10

EXPERIENCE

Subject Expert (Freelance)

Course Hero, Chegg India

Apr. 2023 – Mar 2024

Remote

- Solved 50+ technical problems on Science topics with high accuracy, ensuring clarity in complex concepts
- Maintained an 80%+ accuracy rating across 50+ solved problems, ensuring clear and effective concept explanations

PROJECTS

P2P Crowd-Sourced Investigation Platform (Hackathon) | *Hyperswarm, Javascript*

Feb 2025 – Present

- Developed a decentralized journalism platform with 100% censorship resistance, enabling 500+ secure evidence uploads
- Implemented P2P file sharing, reducing data tampering risks by 90%
- Introduced topic-based newsrooms with Hyperswarm, supporting real-time discussions across 50+ active rooms
- Made it to top 8 Finalist, PEARS Global Hackathon 2025

Blockchain Ledger in Java | *Java, SHA-256, ECDSA, GsonBuilder*

Jan 2025 – Feb 2025

- Designed a blockchain prototype enabling immutable transactions using SHA-256 hashing
- Used Java Security API (ECDSA) for cryptographic digital signatures, ensuring transaction authenticity and ownership
- Prepared a proof-of-work (PoW) mechanism for block validation, preventing spam and ensuring security
- Integrated peer-to-peer (P2P) networking to enable decentralized blockchain validation

Xperia | *Truffle, Ganache, Pinata IPFS, Solidity, Javascript, Python*

Jan 2024 – Apr 2024

- Created a certificate validation system using blockchain
- Used Ganache for a local blockchain network and Pinata IPFS for decentralized storage
- Developed web application using Streamlit
- Shortlisted for Project Expo at VIT Bhopal, competing among top innovative projects

StudyKraft | *HTML, CSS, JavaScript, Bootstrap*

Dec 2023 – Feb 2024

- Developed an all-in-one academic platform used by 500+ students, integrating study planners, CGPA calculators, and access to 1000+ past year question papers, reducing student stress by improving productivity and time management.
- Built a responsive, scalable UI using Bootstrap, ensuring a seamless experience across devices and supporting 1,000+ concurrent users with high availability.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Frameworks: Bootstrap

Developer Tools: Git, AWS, Google Cloud Platform, Azure

Libraries: pandas, NumPy, Matplotlib, Pears

AWARDS & CERTIFICATIONS

- I finished in the top 8 of the 2025 PEARS Global Hackathon. Out of more than 90 submissions & 400 participants
- Achieved AWS Certified Cloud Practitioner certification (Scored 759)
- Scored 85% in Certified AppSec Practitioner (CAP) & Certified Network Security Practitioner (CNSP) by SecOps
- Top 5% in NPTEL: Cloud Computing by IIT Kharagpur
- Completed HTML, CSS, and JavaScript for Web Developers Certification by Johns Hopkins University
- Shortlisted for project demonstration at Industry Conclave, VIT Bhopal, and presented the Xperia Project
- Managed events with 500+ visitors as Co-Lead of Cyber Warriors Club, VIT Bhopal
- Research Paper Published in Journal (Presented at 5th International Congress on Khazar Scientific Research and Innovation)