HARSH JAIN

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EDUCATION

VIT Bhopal University   Nov 2022 – 202
B.Tech in Computer Science and Engineering   *CGPA: 8.64*

SKILLS

Languages	Java, Python, JavaScript, HTML/CSS
Frameworks & Libraries	React, Tailwind CSS, Bootstrap, NumPy, Matplotlib
Cloud/DevOps	AWS (EC2, S3, Lambda, DynamoDB, CloudFront), Azure (VM), Git, GitHub

EXPERIENCE

Freelance Subject Expert   Jan 2023 – Present
Chegg & CourseHero

- Resolved 52+ Computer Science problems with an 83% positive rating, focusing on Data Structures, Algorithms, DBMS, and Operating Systems.

PROJECTS

AWS Cloud Resume Challenge | *AWS S3, CloudFront, Lambda, DynamoDB*   **May 25 – June 25**
- Engineered and deployed a fully serverless, production-grade portfolio site using AWS (S3, CloudFront, Lambda).
- Designed a visitor logging system using API Gateway + Lambda + DynamoDB to capture and display 300+ real-time users.
- Demonstrated proficiency in secure, scalable full-stack cloud deployment without managing servers.

P2P Crowd-Sourced Investigation Platform | *JavaScript, Pears, Hyperswarm*   **Feb 25 – Mar 25**
- Built a privacy-preserving journalism tool supporting encrypted file uploads and peer discovery via Hyperswarm.
- Facilitated secure sharing of 50+ evidentiary documents with 10+ active users over a decentralized network.
- Achieved Top 8 Finalist position out of 400+ global teams at PEARS Hackathon 2025.

Demn_boiChain: Blockchain Ledger Prototype | *Java, SHA-256, ECDSA, Gson*   **Jan 25 – Feb 25**
- Developed a lightweight blockchain system in Java implementing Proof-of-Work, ECDSA-based signing, and GSON for persistence.
- Demonstrated core distributed ledger concepts, reducing complexity by 60% for educational clarity.
- Benchmarked hashing throughput and tested integrity through block tampering scenarios.

CERTIFICATIONS

- AWS Certified Cloud Practitioner - Amazon Web Services ***Scored 759*** (**Issued: Jan 2025**)
- Cloud Computing - IIT Kharagpur **Top 5% - Silver Medal** (**Issued: Dec 2024**)

EXTRA-CURRICULAR ACTIVITIES & HONORS

- **Finalist, PEARS Global Hackathon 2025** — Selected from 400+ international teams
- **Published Researcher** — 5th Intl. Congress on Khazar Scientific Research & Innovation Journel
- **Finalist at Industry Conclave 2024, VIT Bhopal** — Project demo selected by jury at VIT Bhopal
- **Co-Lead of CyberWarriors Club**, VIT Bhopal — Spearheaded tech events reaching 500+ participants
- **Hobbies**: **Stock Market Analysis**, Blogging on Tech & Cloud **@Medium**