HARSH JAIN

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EDUCATION

VIT Bhopal University — Nov 2022 – 2026
B.Tech in Computer Science and Engineering — *CGPA: 8.69*

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

PROJECTS

AWS Cloud Resume Challenge | *AWS S3, CloudFront, Lambda, DynamoDB* — May 25 – June 25

- Engineered and deployed a serverless personal portfolio website using AWS services (S3, CloudFront, Lambda), achieving a 99.99 % uptime and reducing hosting costs by 60 % compared to traditional servers.
- Designed **a visitor logging system** using API Gateway + Lambda + DynamoDB to capture and display 300+ unique page visits
- 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 - (Pears Library)
- 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, Gson* — Jan 25 – Feb 25

- Developed a lightweight blockchain system in Java implementing Proof-of-Work, SHA-256 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*** (Jan 2025)
- Cloud Computing - IIT Kharagpur **Top 5% - Silver Medal** (Dec 2024)

ACHIEVEMENTS AND VOLUNTEERING EXPERIENCE

- **Finalist, PEARS Global Hackathon 2025** - Selected from 400+ international teams
- **Summer of Bitcoin 2024 – Participant** - Advanced to Round 2 of a global selection process; completed protocol-level tasks using JavaScript and contributed to Bitcoin Core-focused scalability enhancements.
- **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**