HARSH JAIN

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EDUCATION

VIT Bhopal University *Nov 2022 – Aug 2026*
Bachelor of Technology in Computer Science and Engineering *CGPA: 8.69/10*

SKILLS

Languages : Java, Python, JavaScript, HTML/CSS
Frameworks & Libraries : React, Tailwind CSS, Bootstrap, NumPy, Matplotlib
Cloud/DevOps : AWS (EC2, S3, Lambda, DynamoDB, CloudFront), Azure (VMs), Git, Github, Docker, CI/CD

PROJECTS

AWS Cloud Resume Challenge | *AWS S3, CloudFront, Lambda, DynamoDB* *May 25 - June 25*
- Deployed a **serverless** personal portfolio website using AWS services (**S3**, **CloudFront**, **Lambda**), achieving 99.99% uptime and reducing hosting costs by 60% compared to traditional hosting
- Designed **a visitor logging system** using **API Gateway**, **Lambda**, and **DynamoDB** to capture and display 300+ unique page visits with real-time analytics
- Demonstrated proficiency in scalable, full-stack software development, cloud secure deployment (serverless)

P2P Investigation Platform (InvestiNet) | *JavaScript, Hyperswarm(Pears Library)* *Feb 25 - Mar 25*
- Engineered a decentralized journalism platform with encrypted file upload and peer discovery via **Hyperswarm**
- Facilitated transfer of 50+ sensitive documents with 10+ active users, collaborated with open source contributors to optimize P2P network latency by 25%
- **Finalist - PEARS Global Hackathon 2025**: Built a P2P investigation platform for secure evidence sharing

Blockchain Ledger Prototype in Java | *Java, SHA-256, Gson* *Jan 25 - Feb 25*
- Developed a lightweight blockchain ledger system in Java implementing Proof-of-Work (up to 5 difficulty levels), 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 ***Score: 759/1000*** *(Jan 2025)*
- Cloud Computing - IIT Kharagpur ***Top 5% - Silver Medal*** *(Dec 2024)*

CO-CURRICULAR ACHIEVEMENTS

- **Finalist, PEARS Global Hackathon 2025** - Ranked in Top 8 among 400+ international teams
- **Participant, Summer of Bitcoin 2025** - Advanced to Round 2; completed Bitcoin protocol-level tasks
- **Finalist, Industry Conclave 2024, VIT Bhopal** - Selected among Top 10 university projects (50+ entries)for blockchain-based project demo by jury

EXTRA-CURRICULAR & LEADERSHIP

- **Team Leader, CyberWarriors Club, VIT Bhopal** – Led 4+ cybersecurity events and workshops over 3 semesters, reached 500+ students, and increased club participation by 40%

HOBBIES

- Stock Markets Analysis, Tech Blogging (**@Medium** - 9000+ total views), Table Tennis player