Harsh Jain

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Education

VIT Bhopal University — Bhopal, India
Bachelor of Technology in Computer Science and Engineering   *GPA: 8.77 / 10* — *Expected Aug 2026*
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Object-Oriented Programming, Computer Networks, Distributed Systems, Cloud Computing

Technical Skills

Languages: Java, Python, JavaScript (ES6), SQL
Frameworks/Libraries: React.js, Node.js, Tailwind CSS, Bootstrap
Cloud & DevOps: Amazon Web Services (EC2, S3, Lambda, DynamoDB, CloudFront), Docker, Git, GitHub Actions (CI/CD)
Databases & Tools: MongoDB, MySQL, Linux, RESTful APIs, Postman
Core Competencies: Data Structures and Algorithms, Object-Oriented Programming (OOP), Distributed Systems, Microservices, Unit Testing, Agile/Scrum

Projects

AWS Cloud Resume Challenge | *AWS (S3, CloudFront, Lambda, DynamoDB, API Gateway), HTML/CSS, JavaScript*
- Deployed a fully serverless portfolio on AWS using S3, CloudFront, and Lambda.
- Automated deployments with CI/CD (GitHub Actions) and Infrastructure as Code (AWS SAM).
- Built and integrated a real-time visitor counter with a **scalable serverless API**, processing **350+ unique visits** with atomic **DynamoDB** updates and **99.9% uptime**.

InvestiNet – P2P Investigation Platform | *JavaScript, Node.js, Hyperswarm (PEARS Library)*
- **Top 8 Finalist** out of 400+ teams at PEARS Global Hackathon 2025 for developing a secure peer-to-peer investigation platform.
- Developed a fault-tolerant, distributed P2P communication system (Node.js, Hyperswarm) enabling secure room creation, encrypted file sharing, and low-latency chat.
- Spearheaded a community moderation system that reduced unverified content, improving platform trust and user experience.

Blockchain Ledger Prototype in Java | *Java, SHA-256, Gson*
- Developed a blockchain from scratch implementing a **Proof-of-Work** consensus algorithm and **SHA-256** hashing to ensure **immutability and data integrity**.
- Applied **Object-Oriented Programming** principles to design modular **Block**, **Transaction**, and **Wallet** components, improving maintainability and scalability.

Experience

TheSmartBridge — Remote
Salesforce Intern — *May 2025 – Jul 2025*
- Automated customer loyalty and inventory alerts with HandsMen Threads Suite (Salesforce Flows, Apex), cutting manual communication tasks by 90%, enhancing operational efficiency.

Certifications

- **AWS Certified Cloud Practitioner** — Amazon Web Services (Jan 2025)
- **Cloud Computing (Top 5%, Silver Medal)** — IIT Kharagpur (NPTEL) (Dec 2024)

Co-Curricular Activities

- **PEARS Global Hackathon 2025:** Ranked in the Top 8 among 400+ international teams at PEARS Global Hackathon 2025.
- **Summer of Bitcoin 2025:** Advanced to the second round, completing complex protocol-level development tasks.
- **Industry Conclave 2024:** Placed as a **Top 10 Finalist** out of 500+ university-wide projects.
- **Competitive Programming:** Solved **450+ problems** on platforms like LeetCode (Max Rating: 1429) and Codeforces.

Extra-Curricular & Leadership

- Team Leader, CyberWarriors Club, VIT Bhopal – Led over 4 cybersecurity events and workshops across 3 semesters, engaging more than 500 students and boosting club participation by 40%.