

NAYAN SANTHALIA

SPECIALIZATION : CLOUD COMPUTING

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PROFESSIONAL SUMMARY

Cloud Computing enthusiast and Computer Science undergraduate with specialization in Cloud Computing and strong foundation in networking, distributed systems, and AWS cloud services. Skilled in configuring cloud infrastructure including load balancing, traffic routing and scalable application deployment, AWS certified with hands-on experience in cloud services, version control, and backend development.

KEY SKILLS

Technical Skills:

- AWS (EC2, CloudWatch, Elastic Load Balancer) • Load Balancing • Traffic Management • Auto Scaling
- Python • Java • MySQL • MongoDB • Docker (Basic)

Soft Skills:

Communication • Teamwork • Problem Solving • Time Management • Adaptability • Leadership

WORK EXPERIENCE

Cloud Computing Intern | Lysandra Group Of Companies

Gurugram, Haryana • May 2026 – Present

- Assisted in deploying and managing cloud infrastructure using **AWS services** such as EC2, S3, IAM, and VPC.
- Monitored cloud infrastructure performance and resource utilization to ensure system reliability and availability.
- Worked with **Linux systems, Git, and networking concepts** to support cloud operations and infrastructure management.
- Documented cloud architecture, deployment procedures, and best security practices for operational efficiency.

EDUCATION

B.Tech in Computer Science

Bennett University • Greater Noida, Uttar Pradesh • 2024-2028 • GPA: 9.05/10

- Relevant coursework: Cloud Computing, Design Of Cloud Architectural Solutions.
- Recognized with a 30% Merit-Based Scholarship for achieving high academic standards.

PROJECTS

SynergySphere | Tech : React 18 (TypeScript), Node.js, Express.js, Prisma ORM, and Socket.IO

Developed SynergySphere, a full-stack real-time team collaboration platform enabling project and task management with secure authentication and role-based access control.

Built using React 18 (TypeScript), Node.js, Express.js, PostgreSQL, Prisma ORM, and Socket.IO, implementing JWT authentication, REST APIs, and WebSocket-based live updates.

Designed a relational database schema (Users, Projects, Tasks) supporting concurrent users, reducing update latency by ~40% through real-time notifications and improving workflow tracking efficiency.

LEHAR | *Tech : React (TypeScript), Node.js, Express.js, PostgreSQL, Redis, and JWT authentication*

Developed LEHAR, a full-stack coastal hazard monitoring system for Smart India Hackathon 2025 enabling citizens to report hazards and authorities to monitor incidents via interactive real-time maps and dashboards.

Built using React (TypeScript), Node.js, Express.js, PostgreSQL, Redis, and JWT authentication, implementing REST APIs, secure login/refresh tokens, and real-time report updates with scalable backend architecture.

Designed a normalized relational database (users, hazards, reports, verifications, hotspots) with caching via Redis, improving data retrieval performance by ~35% and enabling efficient tracking, verification, and visualization of coastal risk zones.

AWS Load Balanced Web Application Deployment | *Tech : AWS EC2, Elastic Load Balancer, CloudWatch, Linux*

Deployed a scalable web application architecture on AWS using EC2 instances behind an Elastic Load Balancer.

Configured load balancing to distribute incoming traffic across multiple instances to ensure high availability and fault tolerance.

Implemented monitoring using AWS CloudWatch to track performance and system health.

CERTIFICATIONS & COURSES

- AWS Academy Cloud Foundations (February 2025)
 - AWS Academy Cloud Security Foundations (March 2025)
 - AWS Academy Cloud Architecting (February 2026)
 - AWS Academy Data Engineering (March 2026)
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EXTRACURRICULAR & ACHIEVEMENTS

- Multimedia team Core member (MOBILON).
 - Secured Rank 3rd in BU Smart India Hackathon 2025 for the problem statement solution.
 - Volunteered for Hackaccino conducted by HackCulture.
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