

Kinshuk Jain

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Summary

B.Tech student exploring how cloud infrastructure scales ideas into reliable systems. Hands-on experience with AWS services including EC2, Lambda, S3, Route 53, Amplify, and Lightsail. Comfortable working in Linux environments using Docker, Kubernetes, Terraform, and AWS CLI. Focused on building structured, clean, and purpose-driven systems. Preparing for AWS Cloud Practitioner and Solutions Architect certifications.

Technical Skills

Cloud & DevOps: AWS (EC2, Lambda, S3, Route 53, Amplify), Amazon CloudWatch, AWS CLI, Terraform

Containers & OS: Docker, Kubernetes, Linux (WSL2)

Frontend: React (Vite), Next.js, TypeScript, Tailwind CSS

Other: Domain Names, Automation-first mindset

Projects

Zeroleaks Security Tool

- Developed a modern password generation tool emphasizing cryptographic security and user privacy.
- Implemented multiple password generation algorithms with real-time strength analysis.
- Integrated secure clipboard handling using the Web Crypto API to minimize credential exposure.
- Designed a clean, responsive UI focused on usability and security best practices.

Tech Stack: React, TypeScript, Tailwind CSS, Vite, Web Crypto API, AWS Amplify, AWS Route 53, Hostinger

FDS.AI — Fault Detection System with AI

- Built an AI-powered fault detection platform to identify anomalies, system failures, and operational risks in real time.
- Implemented continuous monitoring of **59 electrical parameters** with proactive alerting mechanisms.
- Utilized machine learning models and rule-based analysis to detect and predict **20+ fault types** before system impact.
- Deployed a scalable, serverless cloud architecture with full observability and monitoring.
- Designed the system for industrial use cases including power, manufacturing, and infrastructure domains.

Tech Stack: Next.js (App Router, Turbopack v16), Node.js v22, Tailwind CSS v4, AWS Amplify, AWS Lambda, AWS Bedrock, Amazon CloudWatch, AWS Route 53, Shadcn UI

Education

JSS Academy of Technical Education, Noida

Nov 2022 – May 2026

Bachelor of Technology (B.Tech) — Electrical Engineering

Certifications

- AWS Educate — Getting Started with Storage
- AWS Educate — Getting Started with Serverless
- AWS Educate — Machine Learning Foundations

Languages

Hindi: Native or Bilingual

English: Limited Working Proficiency