

Kinshuk Jain

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Education

JSS Academy of Technical Education, Noida 2022 – 2026
B.Tech in Electrical Engineering

Experience

Uttar Pradesh Power Transmission Corporation Limited (UPPTCL) July 2025 – August 2025
Intern

- Designed and tested the operation, protection and maintenance of **132kV and 220kV substations**.
- Observed real-time **SCADA dashboards** for grid monitoring, load management, and outage reporting.
- Assisted engineers during equipment inspections and testing of **CTs, PTs, transformers, and protection relays**.
- Supported shutdown procedures and maintenance workflows for transmission equipment.
- Prepared technical documentation and improved digital reporting using cloud-based tools.

Projects

AI-Based Fault Detection System for Power Infrastructure
Next.js, TypeScript, AWS, Amazon Bedrock, AWS Lambda
Live Project | GitHub Repository

- Developed an AI-powered system to detect faults in **power transmission lines and transformers**.
- Processed real-time sensor and historical grid data to identify anomalies.
- Built a dashboard providing **real-time alerts, root cause analysis, and predictive maintenance insights**.
- Integrated **Amazon Bedrock models** and serverless architecture using AWS Lambda and API Gateway.
- Monitored parameters such as voltage fluctuations, impedance, harmonic distortion, and temperature patterns.

Developer Feedback Platform
Next.js, TypeScript, PostgreSQL, Supabase, ORM
Live Project | GitHub Repository

- Built a platform allowing users to submit feedback on projects, blogs, and portfolio content.
- Designed relational database schema using **PostgreSQL** and implemented queries using **Supabase ORM**.
- Implemented secure data handling, CRUD operations, and structured feedback storage.
- Integrated the system into the personal portfolio ecosystem for real-time feedback collection.

Technical Skills

Frontend: React, Next.js, Vite, Tailwind CSS, Framer Motion

Programming: JavaScript, TypeScript

Cloud & DevOps: AWS (Lambda, EC-2, S3, IAM, Amplify, Route53, CloudFront, CloudTrail), Docker

Databases & Tools: Supabase, Git, GitHub, Postman

Libraries/Frameworks: Clerk Auth, React Icons, Shaden UI, Lucide React

AI/ML Integration: Amazon Bedrock

Certifications

- AWS Getting Started with Storage Services
- AWS Serverless Badge
- AWS Machine Learning Badge