

# ROHAN KUMAR

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LinkedIn

Github

LeetCode

## EDUCATION

Birla Institute of Technology, Mesra

2022 – 2026

B.Tech - Electronics and Communication Engineering — CGPA: 8.43/10.0

Ranchi, Jharkhand

## EXPERIENCE

Tata Power, Jojobera | Certificate

June 2025 – July 2025

IT Intern

Jamshedpur, Jharkhand

Meeting Room Booking Application

- Designed and developed a **meeting room booking application** using Microsoft PowerApps, enabling real-time scheduling and resource optimization for corporate facilities.
- Engineered **automated time tracking, dynamic duration calculations, and full CRUD operations** with intuitive UI/UX.
- Integrated **SharePoint as backend database** ensuring seamless data synchronization and centralized reporting.
- Streamlined operational efficiency for **100+ managers** across departments.

BA Safety Audit Form (Safety Performance Evaluation System)

- Architected a **digital safety audit system** using PowerApps, replacing legacy paper-based processes.
- Implemented **dynamic dropdowns, data validations, and conditional workflows** for structured compliance documentation.
- Automated audit data collection with **real-time SharePoint integration** enabling instant visibility for management.
- Enhanced audit efficiency for **500+ plant employees**, reducing processing time by 70%.

## PROJECTS

Blockchain Document Verification | GitHub | Live Demo

Java, Spring Boot, React, Ethereum, Solidity, Web3j, IPFS, AES-256, SHA-256, OAuth 2.0

- Built a **Web3 document verification platform** with OAuth 2.0 admin portal for registration and public portal for tamper detection.
- Implemented **AES-256 encryption** for IPFS storage and **SHA-256 hashing** with Ethereum smart contracts for immutable verification.
- Developed **RESTful APIs** with JWT authentication and Web3j blockchain integration achieving **100% accuracy** in document authenticity checks.
- Integrated **Pinata IPFS** for decentralized file storage with MongoDB for metadata management and real-time verification tracking.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, SQL, Solidity, HTML5, CSS3

**Backend & APIs:** Spring Boot, RESTful APIs, Web3j

**Frontend:** React.js, Tailwind CSS, Responsive Design

**Blockchain & Web3:** Ethereum, Smart Contracts, Solidity, SHA-256, DApps, Cryptography

**Databases:** MongoDB, SharePoint

**Microsoft Ecosystem:** PowerApps, SharePoint, Power Automate, Excel, Power BI

**Tools & Platforms:** Git, GitHub, Postman, VS Code, Rabby

## ACHIEVEMENTS

- Solved **400+ DSA problems** and **50+ SQL problems** on LeetCode with consistent problem-solving practice.
- Achieved **1600+ contest rating** on LeetCode, placing in the **top 25%** of active users globally.
- Successfully deployed **production-grade full-stack applications** with real-world blockchain integration.