

# 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

Ranchi, Jharkhand

## EXPERIENCE

Tata Power, Jojobera | Certificate: Internship Certificate

June 2025 – July 2025

IT Intern

Jamshedpur, Jharkhand

### Meeting Room Booking Application

- Designed and developed a **meeting room booking application** using Microsoft PowerApps for real-time scheduling and reservations.
- Implemented **time tracking, automated duration calculation, and CRUD operations** for efficient booking management.
- Integrated **SharePoint as a centralized backend database** for real-time data storage and reporting.
- Improved operational efficiency for **100+ managers and senior employees** across departments.

### BA Safety Audit Form (Safety Performance Evaluation)

- Developed a **digital safety audit and performance evaluation system** replacing manual paper-based processes using PowerApps.
- Implemented **dropdowns, validations, checklists, and conditional workflows** for structured and accurate data entry.
- Automated audit data collection and **synchronized records with SharePoint backend** for centralized monitoring.
- Reduced manual effort and improved reporting efficiency for **500+ plant employees**.

## PROJECTS

Blockchain Document Verification System | GitHub

Java, Spring Boot, React, Ethereum, Solidity, Web3j, SHA-256

- Developed a **full-stack decentralized Web3 application** for secure and tamper-proof document verification.
- Built **REST APIs using Spring Boot backend** for upload, hashing, and validation workflows.
- Implemented **SHA-256 hashing** to generate unique cryptographic fingerprints.
- Stored document hashes **immutably on Ethereum smart contracts** ensuring integrity.
- Enabled **real-time verification and tamper detection** through hash comparison.

Netflix Clone | GitHub

ReactJS, NodeJS, ExpressJS, MongoDB, Tailwind CSS, RESTful APIs

- Developed a **full-stack streaming platform** using MERN architecture.
- Designed and consumed **RESTful APIs** for authentication and content delivery.
- Implemented **JWT-based authentication and protected routes** for secure sessions.
- Integrated **TMDB API** to fetch real-time movie metadata and trailers.

## TECHNICAL SKILLS

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

**Backend:** Spring Boot, REST APIs, Web3j

**Frontend:** HTML5, CSS3, React, Bootstrap

**Blockchain:** Ethereum, Smart Contracts, SHA-256, DApps

**Microsoft Tools:** PowerApps, SharePoint, Excel, Power BI

## ACHIEVEMENTS

- Solved **400+ Data Structures and Algorithms problems** and **50+ SQL problems** on LeetCode.
- Achieved a **1600+ rating** on LeetCode.