

# KUMAR RISHAB

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## EDUCATION

**Birsa Institute of Technology, Sindri**

**Dec 2020 - June 2024**

*Bachelor of Technology (Electrical Engineering); CGPA - 8.97*

*Dhanbad, India*

## SKILLS

**Languages:** Java,C/C++, Python, Javascript, HTML, CSS, MySQL

**Tech Stacks:** Spring Boot,JPA,Hibernate,React.js,JSP,Microservices,Kafka,Redis

**Tools/Platforms:** Git, Github, VS Code, Figma ,Jira

**Computer Science Skills:** Data Structures, Algorithms,Operating System, DBMS, OOPS, System Design,Design Patterns,LLD,HLD

## EXPERIENCE

**Tata Consultancy Services**

**Sept 2024 - Present**

*Software Developer(System Engineer-Prime)*

*Noida, Uttar Pradesh*

- Developed scalable Java microservices using Spring Boot, JPA, and Hibernate, following proper LLD/HLD design practices.
- Integrated Kafka for real-time communication and Redis caching to reduce DB load and improve API response time.
- Containerized and deployed services on AWS EC2 using Docker and managed configurations through AWS Parameter Store.
- Collaborated with DevOps for CI/CD pipelines and used CloudWatch for real-time logging and monitoring.
- Conducted RD on NLP and GenAI integration, developing a chatbot prototype using OpenAI API that reduced manual data queries by 40%.
- Collaborated cross-functionally using Jira, participated in Agile ceremonies, and documented processes in Confluence.
- Actively resolved 20+ production issues monthly, reducing incident backlog by 35% through automated bug triaging and root-cause analysis.
- **Tech Stacks:** Java, Spring Boot, Spring, React.js, JPA, Microservices, SQL, GenAI, Jira, LLD and HLD

**Fintract Global**

**Jan 2023 - Mar 2023**

*SDE Intern*

*(Remote)*

- \* Contributed to the enhancement and modernization of the company's website by implementing Next.js and Tailwind CSS technologies.
- \* Utilized Next.js for server-side rendering and routing, ensuring efficient page loading and SEO optimization.
- \* **Tech Stacks:** NextJS, ReactJS, Figma, HTML, CSS, Javascript

## PROJECTS

**Show Time** 🔗 | ReactJS, Material UI, NodeJS, ExpressJS, MongoDB

- \* Developed a full-stack movie booking web application supporting **CRUD** operations.
- \* Implemented **RESTful APIs** for client-server communication and secured login with **JWT Authentication**.
- \* Enabled user bookings/deletions and multi-admin movie/user management with authentication features.
- \* **Github Repo Link:** 🔗

**Path Finder** 🔗 | HTML, CSS, Javascript

- \* Developed an interactive web application elucidating graph algorithms (**BFS** and **DFS**) with visual representations and maze creation using the **Backtrack Algorithm**.
- \* **Github Repo Link:** 🔗

**Passgen** 🔗 | Java

- \* Command-line interface tool generating strong passwords as per instructions and auto-copied to the clipboard.
- \* Maven Project, written in OOP style, compatible with Windows and Linux using clipboard and Xclip.
- \* **Github Repo Link:** 🔗

## ACHIEVEMENTS

- Solved 800+ DSA problems on online judges like **Leetcode** 🔗 and **GeeksForGeeks** 🔗
- 4 star (**max rating - 1847**) on **Codechef** 🔗 and rated 1236 **Pupil** on **Codeforces** 🔗 solved 300+ problems
- Achieved a global rank of 2372 in **Google Hashcode 2022**
- Secured college Rank 1 and Regionalist in **ICPC 2023**