SAURABH CHAUDHARI

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EDUCATION

National Institute of Technology (NIT), Rourkela   Dec 2021 – June 2025
*Bachelor of Technology (B.Tech) - **CGPA - 8.13***   *Rourkela, Odisha*

COURSEWORK

- Data Structures and Algorithms (DSA)
- Database Management System (DBMS)
- Operating Systems
- OOP's Design
- Web Technologies
- Computer Networks

EXPERIENCE

Software Engineer at upGrad   Jun 2025 - Present

- Implemented secure ERP sales panel features, enabling 500+ counselors to **manage call recordings** via **AWS S3**, while enforcing **role-based** access control for enhanced security.
- Protected **PII data** of over 10,000 leads by implementing **hashing** and **masking** on sensitive fields across multiple modules, ensuring compliance and restricting access to authorized personnel.
- Optimized ERP **admin workflows** by masking PII in 100% of **lead details** and search modules, balancing data security with essential usability and query functionality.
- Developed a **document uploader** module from scratch for around **500 DY Patil University students**, enabling validated uploads, ERP synchronization, and **automated CRON jobs** for processing.
- Delivered end-to-end **integration** for **Chandigarh University's admission portal** by designing ERP-compatible **schema**, developing 4+ **REST APIs**, automating fee workflows with **CRON jobs**, and building a **full-stack admission portal** (React.js + Spring Boot) to streamline student onboarding.

Software Developer Intern at upGrad   Jan 2025 - June 2025

- Upgraded the backend from **MySQL 5 to MySQL 8**, making the system **40% faster** and better able to handle more users in LMS.
- Automated onboarding workflows by integrating the **Freshdesk API**, which reduced manual work by **60%**.
- Added **Microsoft Authenticator** for login along with Google OAuth, making the sign-in process more secure for over **6000 users** across ERP and SIS platforms.
- **Built** over **3 dashboards** with **React.js** and **6+ APIs** using **Spring Boot** to better manage and report on user, test, and result data.
- Designed relational **database schemas** and developed 5 **production-ready APIs** for the **CERT-ERP** system, which resulted in improved data integrity and consistent performance.

PROJECTS

"StudyNotion:" Ed-Tech Platform 🔗 | React, Node.js, Express, MongoDB, Render, Vercel   July 2024

- Built a **full-stack Ed-Tech platform** with secure authentication, authorization, and progress tracking, serving 500+ learners.
- Designed **scalable** course and review management **workflows** with a **responsive UI**, improving **usability** and supporting **global access**.

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, JavaScript, TypeScript
Technologies & Frameworks: React.js, Node.js, Express.js, Spring Boot, SQL, MongoDB, Redux, Tailwind
Tools & Platforms: Git, GitHub, Postman, Firebase, Vercel, Recoil, REST APIs, MongoDB Atlas
Core Concepts: Software Development Life Cycle, API Development, Debugging, CI/CD
Soft Skills: Stakeholder Management, Troubleshooting, Project Management, Leadership

ACHIEVEMENTS

- Earned the "**Knight Badge**" on **LeetCode** for ranking in the **top 5% in contests**.
- Achieved **4 Star Coder** status on **CodeChef**, showcasing **competitive programming** expertise.
- Secured **7th rank nationally** in **GFG** Weekly **Contest** 124, demonstrating top-tier **algorithmic skills**.

EXTRACURRICULAR ACTIVITIES

Algorithmic and Programming Society, NITR   Aug 2022 - May 2025

- Led 50+ engineers in organizing **coding events** with 200+ participants, featured in **Monday Morning**.