

# Snehil Dey

✉ email | ☎ +91-9153164057 | Ranchi, India  
</> leetcode.com | 🐙 github | in linkedin

## EDUCATION

**Birla Institute of Technology**  
*B.Tech in Computer Science and Engineering*

Jun 2022 – Present  
CGPA: 8.16

## EXPERIENCE

**Full Stack Developer Intern**  
*C-DAC, Pune*

Sep 2025 – Present  
*Remote*

- Engineered a **full-stack grievance redressal system** with WAMIS, automating query routing and improving classification accuracy by **over 25%**.
- Architected a **priority-based escalation system** that slashed average response delays by **35%**, enhancing user satisfaction.
- Leveraged **Spring Boot, SQL, and Docker** to deliver a scalable and containerized enterprise solution.

**Cybersecurity Intern**  
*SAIL India*

May 2025 – Jul 2025  
*Ranchi, India*

- Constructed an ethical **ransomware simulation** in a VirtualBox sandbox to analyze infection vectors and test **3 defensive mechanisms**.
- Analyzed **multiple malware samples**, identifying key signatures and behavioral patterns using **Windows internals** and static/dynamic analysis.
- Presented a technical demonstration on mitigation, outlining **5 key prevention strategies** to security personnel.

## SKILLS

**Languages:** C++ , Python , SQL , HTML/CSS

**Frameworks/Tools:** SpringBoot, Azure, Docker, Git, VirtualBox

**Cybersecurity:** Malware Analysis, Windows API, Encryption, OWASP Libraries, Sandbox Environments

**Concepts:** Data Structures & Algorithms, OOPS, DBMS, Machine Learning, Web Security

## PROJECTS

**Secure File Sharing Platform** [GitHub]

Sep 2025 - Present

- Architected a **Spring-based platform** fortified with **JWT authentication**, role-based access control, and end-to-end encryption.
- Stress-tested the application to handle **over 20 concurrent users**, ensuring data integrity and high availability.

**YouTube Timestamp Keeper (Chrome Extension)** [GitHub]

May 2025 – Jun 2025

- Built and launched a **Chrome extension** to streamline content navigation, improving user productivity by an estimated **40%**.
- Engineered a one-click timestamping feature with **Chrome's Storage API**, ensuring data persistence with **sub-100ms** retrieval.

**Potato Leaf Disease Detection** [GitHub] [Live Demo]

Feb 2025 – Mar 2025

- Designed a **Convolutional Neural Network (CNN)** in TensorFlow that achieved **over 95% accuracy** in classifying potato leaf diseases.
- Deployed an interactive **Streamlit web app** providing diagnoses in **under 3 seconds**, empowering farmers with an accessible AI tool.

## CERTIFICATIONS & ACHIEVEMENTS

- Solved **350+ problems** on LeetCode, GFG with **1526 contest rating** (as of June 2025).
- Earned **Microsoft Azure Certification** [View Badge].
- Certified in **SQL (Basics)** by HackerRank [View Certificate].
- Certified in **Python for Data Science** by IBM SkillBuild [View Certificate].
- Executive Member, **IEEE Student Branch**, BIT Mesra.
- Volunteer, **National Service Scheme (NSS)**.