

Snehil Dey

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</> 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

Aug 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: Java, Python, SQL, C++

Frameworks/Tools: SpringBoot, MongoDB, Power BI, Azure, Docker, Git, VirtualBox

Cybersecurity: Ransomware Simulation (Ethical), 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] [Live Demo]

Aug 2025

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