# KARAMJEET SONY

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## EDUCATION

**Delhi Technological University**                                                        **2023 − 2027**
*B.Tech - Computer Science and Engineering - **CGPA** - **8.9***                          *New Delhi*

## COURSEWORK / SKILLS

- DSA
- Oops Concepts
- Problem Solving
- Quantum Mechanic
- Operating Systems
- Computer Networks
- Quantum Algorithms
- Security fundamentals

## PROJECTS

### JWT Authentication ↗ | Java, Spring Boot, Spring Security, JWT, JPA, PostgreSQL/MySQL   **2023 - 24**

- Implemented User registration, login, role-based authorization
- JWT-based authentication with refresh token support
- Secure RESTful APIs using Spring Security
- JWT Structure: Header (token type  signing algorithm), Payload (user claims), Signature (verifies integrity)
- Database integration with PostgreSQL/MySQL

### Interview Creation Portal ↗ | React, JavaScript, Database - sqlite3(development), IDE - VS Code **2022**

- An interview page where the admin can create an interview by selecting participants, start and end time.
- Implemented an interviews list page where admin can see all the upcoming interviews.
- An interview edit page where admin can edit the created interview with the same validations as on the creation page.

### Counselling Cell - Fusion IIIT ↗ | HTML, CSS, React, PostgreSQL   **2021-22**

- Develop the **front-end** of Counselling Cell module in Fusion IIIT.
- Module Consists of 4-5 different types of users with different functionalities.
- Added **10-12 new features** like organize the user interface of the Module's **Home Page**
- Handle the database and integrated the module with other existing modules.

## TECHNICAL SKILLS

**Languages:** Java, C++, Python, SQL
**Technologies/Frameworks:** HTML5, CSS3, React, MongoDB, Express, Javascript, NodeJS, Bootstrap
**Developer Tools:** VS Code, Jupyter notebooks,Git

## CODING PLATFORMS

- Solved **1200+** Problems on **Leetcode**. ↗
- Solved **500+** Problems across **GeeksforGeeks** and **InterviewBit**. ↗
- Pupil on Codeforces Max Rating **1348** ↗

## CERTIFICATIONS

- Mastering Data Structure and Algorithms - Udemy
- C++ - Udemy
- Graph data structure for CP - Udemy

## EXTRACURRICULAR

- Taught basic C++/DSA in offline Mode. 05-2021 − 12-2021
- NSS Member from 2019 to 2022