

# Niyati Madaan

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## EDUCATION

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Indian Institute of Technology (ISM), Dhanbad

2020-2024

B.Tech Mechanical Engineering (Mining Machinery Engineering)

## WORK EXPERIENCE

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**Cognome**

**Remote**

*Software Engineer Intern*

**May 2023 - July 2023**

- Developed a Terminology Management System using ReactJS, Spring Boot and Virtuoso graph database. Collaborated with a team to ensure seamless integration with existing systems. Utilised Agile methodologies for incremental updates.
- Implemented robust data storage, retrieval, and querying functionalities utilising SPARQL queries.
- Assisted in implementing and debugging infinite scroll tree structure with ReactJS rc-tree functionality.

**Petro IT**

**Gurugram, Haryana**

*Software Development Intern*

**May 2022 - Aug 2022**

- Worked as a full-stack web developer for Stack 61 by using the Spring Boot framework at the backend. Assisted in RESTful API integration, Debugging and bug solving.
- Migrated Ten89 app from flutter 2.6 to flutter null safety. Designing, problem-solving, developing, testing, and deploying mobile applications using Flutter. Technical Features: Data Storage - Firestore; Document Store - AWS S3; QR code labels and Barcode Scanning; Listeners continuously update the project.

## PROJECTS

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**ParkX**

**2022**

- ParkX is a smart parking cloud-based system software. Displayed the parking availability data in an interactive frontend where users can book spaces using ReactJS and backend using NodeJS.
- Achieved inputs from IR and piezoelectric sensors, processed in the Raspberry PI and sent to the cloud.
- This project is a part of HackX'22. Project Link: [ParkX](#)

**Connecting**

**2022**

- Connecting is an flutter mobile application built for Teachers to keep track of the Students, give Assignments, and maintain their own schedule.
- Used Firestore (Cloud based memory) as a database. Project Link : [Connecting](#)

## COMPETITIVE PROGRAMMING

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GeeksForGeeks Rank

22 ([@tietan](#))

Leetcode Rating

1802 ([@tie tan](#))

## SKILLS

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- **Programming Languages** : C++, C, Java, Python, Dart, JavaScript
- **Frontend and Backend** : Flutter, HTML, CSS, ReactJs, JQuery, Spring Boot
- **Database and Data Querying** : MongoDB, SQL, Cloud Firestore, SPARQL queries
- **Libraries** : Numpy, pandas, OpenCV, BeautifulSoup, Selenium
- **Tools** : Postman, Linux, Git, GitHub

## **ACHIEVEMENTS**

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- First runner up at Hackfest 2023.
- Top 10 finalist at Hackfest 2022 IIT (ISM) Dhanbad.
- Second runner up at HackX 2022.
- Second runner up at Blueprint 2022 conducted by SPE IIT(ISM) Student Chapter.

## **POSITIONS OF RESPONSIBILITY**

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- Tech Head in Takshak 2023.
- RoboISM member: Roboism is the official Robotics and AI club of IIT ISM Dhanbad.

## **EXTRACURRICULARS**

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- Captain and Coordinator of IIT(ISM) Basketball team 2022-23.
- Bachelor of Arts in Bharatanatyam under Prayag Sangeet Samiti.