

Niyati Madaan

B.Tech – Mechanical Engineering (Mining Machinery Engineering) – IIT, Dhanbad

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[Portfolio](#) | [LinkedIn](#) | [Github](#)



EXPERIENCE

Cognome, — Software Engineer Intern

15 MAY 2023 - 21 JULY 2023

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

Petro IT, Gurugram — Software Development Intern

16 MAY 2022 - 14 AUG 2022

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

PROJECTS

ParkX — 2022

- ParkX is a smart parking cloud-based system software.
- Inputs from IR and piezoelectric sensors get processed in the Raspberry PI and sent to the cloud.
- The parking availability data is displayed in an interactive frontend where users can book spaces using ReactJS and backend using NodeJS.
- 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](#)

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — B.Tech Mechanical Engineering (Mining Machinery Engineering)

JULY 2020 - MAY 2024

Montfort School, Delhi

12th - APRIL 2019 - APRIL 2020 - 94%

10th - APRIL 2017 - APRIL 2018 - 93.2%

SKILLS

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

COMPETITIVE PROGRAMMING

- GeeksForGeeks Rank: 22([@tietan](#))
- Leetcode Rating: 1802([@tie_tan](#))

ACHIEVEMENTS

- 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

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

EXTRACURRICULARS

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