

# Monisha Ranjan

STUDENT

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“Be the change that you want to see in the world.”

## Education

### Lambton College

POST GRAD. CERTIFICATE IN FULL STACK SOFTWARE DEVELOPMENT - **3.533 GPA | 88.325%**

- Placed on Dean's Honour List which is given to promising student

Toronto, Canada

Sept. 2023 - Apr. 2025

### Indian Institute Of Information Technology

B.TECH IN COMPUTER SCIENCE - **7.75 CGPA | 77.5%**

Guwahati, India

Jul. 2017 - May 2021

## Skills

### Programming Languages

Java, C++, Python, JavaScript, Matlab, LaTeX, PHP, .NET

### DevOps

AWS, Jenkins

### Back-end Development

Django, PHP, Laravel, MySQL, MongoDB, ElasticSearch, Spring boot

### Front-end Development

HTML/CSS, JavaScript, Bootstrap

### Tools & Frameworks

Google APIs, Android

## Experience

### Tekion Corp.

SOFTWARE ENGINEER

- Spearheaded the development of core product features, managing the process from initial design to final delivery.
- Streamlined product requirements into engineering tasks, facilitating project scoping and task delegation.

Bengaluru, India

Oct. 2022 - Jul. 2023

### Tekion Corp.

ASSOCIATE SOFTWARE ENGINEER

- Collaborated closely with the Core Accounting Team for the dealership management system, developing numerous Backend features currently utilized by live dealers.
- Developed and sustained advanced accounting report, enabling near real-time data analysis while ensuring scalability and consistency in reporting mechanisms.
- Played a pivotal role in the Central Accounting Team by implementing features using Kafka for asynchronous event handling with a focus on data reliability.
- Successfully optimized complex database queries, achieving a 30% reduction in query execution time, thereby significantly lowering data retrieval overheads for large datasets.

Bengaluru, India

Jul. 2021 - Sept. 2022

### Tekion Corp.

SOFTWARE ENGINEER INTERN

- As a part of Backend team, developed an employee management system enhancing leave application processes and providing role-specific management features.

Bengaluru, India

Jan. 2021 - Jun. 2021

### Smart Doctors

SOFTWARE DEVELOPMENT INTERN

- Developed a video conferencing feature utilizing the Twilio API.
- Transitioned the website from PHP to the Laravel MVC framework, enhancing functionality and user experience.

Remote

May. 2020 - Jul. 2020

### CertCube

WEB DEVELOPMENT INTERN

- Designed and developed an interactive training portal, improving learning and engagement.
- Led the design and development of the company's official website, enhancing online presence and accessibility.

New Delhi, India

Jun. 2019 - Jul. 2019

## Extracurricular Activity

## Indian Institute of Information Technology

PROGRAMMING CLUB COORDINATOR

Guwahati, India

Sep. 2019 - Mar. 2020

- Conducted technical sessions and coding contests, enhancing programming skills among club members.
- Guided students in software development and professional networking, emphasizing the importance of industry connections for career advancement.

## Indian Institute of Information Technology

HEAD GRAPHIC DESIGNER

Guwahati, India

Jan. 2018 - Apr. 2019

- Managed and executed graphic design for the college newspaper, ensuring visual appeal and consistency in content layout.

## Honors & Awards

### DOMESTIC AWARDS

2021	<b>20nd Place</b> , She codes Indeed - All India Rank	Online
2020	<b>2nd Place Among 150 teams</b> , Techno Flux Hackathon	Guwahati, India
2020	<b>Global Rank 1225</b> , Google Kick Start, Round F	Online
2020	<b>Global Rank 1993</b> , Google Kick Start, Round C	Online
2020	<b>Qualification Round</b> , Google Code Jam	Online
2018	<b>Bronze Medal</b> , HackerRank World Code Sprint	Online
2018	<b>Pre-Elimination</b> , CodeChef SnackDown	Online
2018,19	<b>Qualified Round 1</b> , Facebook Hackercup	Online
2013	<b>National Finalist</b> , Iken Scientifica	New Delhi, India

## Projects

### Integrated Dealership Database Upgrade

TEKION CORP.

Bengaluru, India

Mar. 2023 - Apr. 2023

- Orchestrated the integration of multiple dealership databases into a single, efficient system, catering to both MySQL and MongoDB.
- I created and managed an asynchronous update framework for effective data synchronization across database types.
- Devised and implemented specialized APIs for data migration, ensuring seamless transition and system integrity.
- Developed a robust error-handling mechanism for complex operational flows, with features for automatic data rollback and event reversion.
- Achieved streamlined data processing, enhanced scalability, and reduced database management complexities.

### Centralized Dealership Payment System

TEKION CORP.

Bengaluru, India

Sept. 2021 - Jan. 2022

- Spearheaded the development of a centralized payment system for efficient management across parent and subsidiary dealerships.
- Implemented Kafka for asynchronous payment processing, enhancing transaction efficiency.
- Developed a tracking system for payment requests and integrated fail-safe mechanisms for event reliability.
- Designed validation logic for user access rights, extending functionalities to vendors, customers, and OEMs.
- Achieved significant reduction in manual payment processing and improved operational efficiency.

### Attendance management system

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Guwahati, India

Apr. 2020 - Jul. 2020

- Engineered an Advanced Attendance System with QR Code scanning and Face Recognition for student authentication.
- Utilized Google Maps API for location verification.
- Integrated technologies: OAuth, Firebase, Django, Python, and Google APIs.
- Featured QR Code Scanning, Face Detection, and Crowd Counting for accuracy and efficiency.

### Meditrack

HACKATHON PROJECT

Guwahati, India

Jan. 2020 - Jan. 2020

- Created an app for tracking disease outbreaks and medicine sales for Municipal Corporations.
- Enables real-time monitoring and data analysis for health management and epidemic prevention.

## Coding Profiles

**mr\_233 LeetCode - 1609**, Max. Rating

**mr\_2131 Codechef - 1833**, Max. Rating

**mr\_2131 CodeForces - 1495**, Max. Rating

**monisha HackerEarth - 1514**, Max. Rating

**mr\_233 HackerRank - 1729**, Max. Rating