

# KIRAN TIWARI

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## EDUCATION

National Institute of Technology, Bhopal,  
B.Tech — Electrical Engineering (CGPA: 8.46)

Dec 2020 - June 2024

## EXPERIENCE

System Engineer (Tata Consultancy Services)

July 2024 - Present

- Contributed to a mobile app enabling Standard Bank policyholders to register claims for alarm failures, theft, and property damage.
- Developed dynamic forms, prepopulated workflows, map integration (**react-map**), photo capturing, and API integration using **React Native**, **Redux Saga**, and **Java**.
- Developed the costing page and wrote **APIs** for seamless backend communication.

## PROJECTS

EmpowerGlow ([Github Link](#))

E-commerce website dedicated to providing a wide range of women's hygiene products.

- Technologies used: **React.js**, **CSS3**, **Firebase**, **Node.js**, **Socket.IO**.
- Integrated **Firebase Authentication**, Firestore for user management and real-time data synchronization.
- Designed a dynamic product catalog with advanced filters, search functionality, and React.js state management for **real-time UI updates**.
- Developed a **real-time chat application** for customer care using **Socket.IO** for bi-directional communication.

### H-Plus

H-Plus is a website for Hospital Management System.

- Technologies used: **JSP**, **Servlets**, **JDBC**, **MySQL**, **Tailwind**.
- Developed patient registration and appointment scheduling with optimized data flow and **session management**.
- Implemented patient admission, discharge, and billing systems with **MySQL**, ensuring efficient data transactions and optimized queries.
- Integrated secure payment tracking using **Java**, **JDBC**, and **RESTful APIs**, with robust error handling and secure session management for invoice processing and online payments.

## POSITIONS OF RESPONSIBILITY

Web Developer

College Club (QCM)

Sept 2021 - May 2023

*Bhopal, MP*

- Handled, tested, and debugged the main quizzing site for over 2 years.
- Built a React.js and Firebase platform for registrations and scorecards; developed a responsive club site.
- Technologies used: **React.js**, **Node.js**, **HTML5**, **CSS3**, **JavaScript**, **APIs**, **Google Cloud (Firebase)**.

## SKILLS

Technical Skills

C++, Java, Python, **Data Structures and Algorithms**, **OOPs Concept**, **Operating Systems**, **Computer Networks**, **DBMS**, **MySQL**, **Firebase**, **Node.js**, **Express.js**, **MongoDB**, **REST API**.

Soft Skills

Problem-Solving, Leadership, Project Management, Creative thinking, Adaptability.

Developer Tools

Bootstrap, GitHub, Visual Studio Code.