

# Pratik Merekar

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## Experience

### ITNetworkZ Infosystems Pvt Ltd

Nagpur, Maharashtra

#### Project Intern

Jul 2022 - Aug 2022

- Designed a robust Java-backed web project, ensuring smooth database connectivity and implementing rigorous data validation procedures.
- Led a cross-functional team of 4 intern colleagues, demonstrating strong leadership, fostering collaboration, and improving project efficiency.
- Collaborated with fellow interns, contributing to the successful completion of various team projects.

## Projects

### Spring Security Authentication

[\[Project Link\]](#)

Tech: Java, Spring, Spring Security

- Designed a simple spring security authentication system with in-memory user management.
- Demonstrates security principles like Route protection, Authentication, Login/Logout mechanisms, User role management very well.

### HTTP Implementation using pure Java

[\[Project Link\]](#)

Tech: Java

- Built a multithreaded HTTP server using Java NIO, supporting concurrent request handling with thread pools.
- Programmed RESTful endpoints with custom routing system, HTTP response handling, and health monitoring.
- Utilized Java 8+ features including lambdas, functional interfaces, and modern date-time API.

### Productivity Tracker

[\[Project Link\]](#)

Tech: R, Shiny package

- Engineered a full-stack web application with MVC architecture, featuring real-time data visualization, SQL database integration, and CRUD operations for activity tracking.
- Led team meetings to discuss progress, allocate tasks, and troubleshoot, fostering collaborative problem-solving.
- Created interactive data visualizations using ggplot2 for tracking activity statistics

## Education

### G.H. Rasoni College of Engineering (GHRCE)

Nagpur, Maharashtra

B.Tech in Computer Science (IoT)

2023 - 2026

### Dharampeth Polytechnic

Nagpur, Maharashtra

Diploma in Computer Science

2020 - 2023

## Technical Skills

**Languages:** Java, C++, PHP, Python, HTML5, CSS3, Javascript

**Databases:** MySQL, PostgreSQL

**Utilities:** Git, GitHub, Linux