

# Krishnkant Kumar

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## SKILLS

**Languages:** Java (Intermediate), Python (Basic), C++ (Intermediate), SQL (Intermediate)  
Web Development (JavaScript, CSS, HTML)

**Frameworks:** React.js, Node.js, Bootstrap

**Tools/Platforms:** MySQL, RESTful APIs, Postman, VS Code, Git, GitHub

**Soft Skills:** Analytical Thinking, Logical Reasoning, Adaptability, Problem Solver

## PROJECTS

**Automated Course-Based Chat and Control System** | PHP, MySQL, JavaScript, AJAX, Apache Server Nov' 25

- Developed a real-time PHP-based classroom chat system with course-based group management, enabling secure and structured communication among students and instructors.
- Designed an admin dashboard for managing users, courses, and groups, ensuring secure authentication and data protection with password hashing and prepared statements.
- Implemented AJAX-powered real-time message updates and a responsive user interface, ensuring smooth, interactive communication across desktop and mobile devices.

**Smart Traffic Control and Monitoring System** | Java, Spring Boot, React.js, RESTful API May' 25

- Noticed how traffic in busy areas often becomes chaotic due to poor signal coordination and a lack of real-time updates, so I decided to build a system to solve that.
- Used Java and Spring Boot to handle the backend, React.js for the user interface, and RESTful APIs to allow smooth data exchange between all parts.
- Configured the system to display live traffic updates, manage signal timings, and send alerts, making it easier to monitor and control traffic efficiently.

## PATENT APPLICATION

**Intelligent Two-Wheeler Monitoring and Alert System Using IoT and Embedded Device (Published)** Sep' 25

- Innovated a smart, low-cost IoT/GSM solution that enhances two-wheeler safety through real-time theft prevention, accident detection, and instant emergency alerts.

**Smart Bicycle Stand with Locking, Verification, Tamper Detection & Solar(Filed)** Apr' 25

- Developed a smart bicycle stand with integrated locking, multi-factor verification, and tamper detection, powered by solar energy for secure and sustainable use.

## CERTIFICATES

Responsive Web Design | freecodecamp Jul' 25

Data Analysis with Python | IBM Mar' 25

OOP's using C++ | neo-Colab Nov' 24

## ACHIEVEMENTS

**Competitive Programming Achievements** Present

- Solved **300+ algorithmic problems** across online coding platforms.
- Secured Achieved a **Codeforces rating of 800** and continuously improving through regular problem-solving practice.

**Runner-Up, Inter-School Cricket Tournament** 2025

- Secured **2nd position** among **20 teams** in a highly competitive inter-school cricket tournament held at LPU, demonstrating strong teamwork, strategy, and sportsmanship under pressure.

**Cleared 3 Prestigious Central Government Exams** 2021-24

- Successfully qualified for the Indian Army, SSC (GD), and Indian Navy, demonstrating resilience, strategic thinking, and competitive excellence.

## EDUCATION

**Lovely Professional University** Phagwara, Punjab  
Master of Computer Application; **CGPA: 8.15** Since Aug' 24

**Triveni Satyabhama College** Nawada, Bihar  
Bachelor of Science in Mathematics; **Percentage: 74.38%** Apr' 21 – Aug' 24

**Nardiganj College** Nawada, Bihar  
Intermediate; **Percentage: 78.2%** Apr' 19 – Mar' 21

**Gyan Bharti Model Residential Complex** Nawada, Bihar  
Matriculation; **Percentage: 79.4%** Apr' 18 – Mar' 19