Nishant Kumar

Banka, Bihar

+91-6204702617 nishu55647@gmail.com nishant-singh-432bb922a nishant443 nishu51z4l

Education

Vellore Institute of Technology Sept 2022 – Oct 2026
Bachelor of Technology in Electronics and Communication *CGPA: 8.7*

Technical Skills

- **Languages:** Java, JavaScript (ES6+), SQL
- **Frontend:** React.js, HTML5, CSS3, Tailwind CSS, Responsive Design, State Management
- **Backend:** Node.js, Express.js, REST APIs, WebSockets (Socket.IO), JWT Authentication
- **Databases:** MongoDB, MySQL, Schema Design, Indexing, Query Optimization
- **Cloud & DevOps:** Docker, CI/CD, Render, AWS (Basics), Deployment, Environment Configuration
- **Software Engineering:** Data Structures & Algorithms, OOPs Concept, System Design Basics
- **Tools:** Git, GitHub, Postman, VS Code, IntelliJ IDEA, API Testing, Debugging

Projects

4-in-a-Row – Real-Time Multiplayer Game | Node.js, Socket.IO, MongoDB, Kafka, React Jan 2026
- Developed a real-time multiplayer Connect-Four game using **WebSockets (Socket.IO)** enabling seamless player vs player gameplay.
- Designed an intelligent **AI bot** with heuristic-based decision making for strategic gameplay (win/block/optimize moves).
- Implemented **reconnection system** with state recovery and timeout-based forfeits to handle network disruptions.
- Built **event-driven analytics pipeline using Kafka** to track game events, player stats, and performance metrics.

Quick Court – Sports Venue Booking Platform | React.js, Express.js, Node.js, MongoDB Aug 2025
- Built a full-stack sports booking platform with **3 user roles** and multiple backend modules.
- Implemented **JWT authentication**, OTP verification, and bcrypt hashing across **40+ REST APIs**.
- Developed venue discovery, availability, slot booking, and pricing using **10+ booking and venue endpoints**.
- Integrated **Cloudinary**, Nodemailer, Google Maps, and MongoDB-based transactions.
- Designed schemas for users, venues, bookings, ratings, sports, and payments.

Study Nation – Learning Management Platform | Node.js, Express.js, MongoDB Nov 2025
- Developed an LMS with **3 roles** across **10+ backend modules**.
- Secured **35+ APIs** using JWT, OTP verification, password reset, and RBAC.
- Built REST APIs for courses, categories, sections, subsections, tags, ratings, and progress tracking.
- Integrated **Razorpay**, Cloudinary, and Nodemailer.

Achievements

- **Odoo Hackathon 2025:** Finalist among 19,000+ participants at Gandhinagar, Gujarat.
- **Industry Conclave 2024:** Presented IoT & Robotics project with Team Technophilics.
- **GeeksforGeeks:** Solved 350+ DSA problems across GeeksforGeeks and LeetCode.
- **Chess Competition:** Won Silver medal at zonal level; qualified for regionals.

Certifications

- OCI Foundations – Oracle