

Rounak Kishan

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EDUCATION

Birsa Institute of Technology Sindri

Bachelor of Technology in Computer Science and Engineering

Dhanbad, Jharkhand

Expected 2026

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++, Java, SQL, HTML/CSS

Frontend: React.js, Next.js, Tailwind CSS, Redux-Toolkit, Responsive Design

Backend: Node.js, Express.js, Spring Boot, RESTful APIs, Socket.IO

Databases: PostgreSQL, MongoDB, MySQL, Neon Database

Tools & Technologies: Git, GitHub, Postman, JWT Authentication, Payment Integration

Core Competencies: System Design (LLD), Problem Solving, Data Structures & Algorithms, OOP

PROJECTS

MedPoint | Spring Boot, PostgreSQL, RESTful API, JWT Authentication

- Engineered production-ready hospital management backend with comprehensive patient records, appointment scheduling, billing system, and role-based access control
- Implemented secure JWT authentication and RESTful APIs following best practices for scalability and maintainability
- Designed normalized database schema optimizing query performance for high-volume healthcare operations

StudioAI | React, Next.js, JavaScript, PostgreSQL, Payment Integration

- Built AI-powered video generation and editing platform with credit-based system and integrated payment gateway
- Developed scalable backend architecture handling concurrent AI processing requests and user session management
- Implemented responsive UI with React ensuring seamless user experience across devices

QuizAI | Next.js, JavaScript, AI Integration, Data Visualization

- Created intelligent quiz application with AI-generated questions, real-time performance analytics, and gamification features (XP system, progress tracking)
- Architected modular component structure in Next.js with JavaScript for type safety and code maintainability
- Integrated data visualization libraries to display user performance metrics and learning progress graphs

TrekOn | React.js, Socket.IO, React Router, Real-time Communication

- Developed travel booking platform with real-time chat functionality using Socket.IO for instant user communication
- Implemented dynamic routing with React Router enabling seamless navigation and optimized user journey
- Designed responsive UI components handling complex booking workflows and payment processing

ShopMe | MongoDB, Express.js, React.js, Node.js (MERN), Stripe Payment

- Built full-featured e-commerce platform with user authentication, shopping cart, order management, and secure payment processing
- Implemented RESTful API endpoints for product catalog, inventory management, and order tracking
- Integrated Stripe payment gateway ensuring secure transaction processing and PCI compliance

CERTIFICATIONS

Full-Stack Web Development Bootcamp | Udemy

2025

Problem Solving | HackerRank

2024

KEY STRENGTHS

Full-Stack Expertise: Proven ability to build end-to-end web applications from database design to user interface

Production Experience: Developed and deployed production-ready systems with focus on scalability and performance

System Design: Designed and documented low-level designs (LLD) for multiple projects with focus on SOLID principles, design patterns, and scalability

Problem Solving: Solved 500+ problems across LeetCode, Geeksforgeeks, focusing on algorithms and data structures