

SHIVAM KUMAR

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Education

National Institute of Technology, Rourkela

Bachelor of Technology in Industrial Design Engineering (CGPA: 7.65/10)

Aug 2023 – Present

Rourkela, Odisha

Mahatma Gandhi High School, Jhajha (BSEB)

AISCCE – Science (PCM) – 82.8%

Apr 2023

Jhajha, Bihar

Mahatma Gandhi High School, Jhajha (BSEB)

AISSE – 89.8%

Apr 2021

Jhajha, Bihar

Relevant Coursework

- Data Structures and Algorithms
- Object Oriented Programming
- Web Development
- Database Management Systems
- Elements and Principles of Design

Projects

Wanderlust – Full Stack Travel Application

WanderLust-2025

HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Passport.js, Google Maps API

- Developed and deployed a scalable travel booking platform using the **MERN stack**, achieving a 25% reduction in page load time.
- Implemented secure user authentication and session management with **Passport.js**, supporting 100+ concurrent user sessions.
- Integrated **Google Maps API** for real-time location-based search, increasing user engagement by 30%.

Cycle Store – React Web Application

Cycle-store-2025

React.js, Bootstrap, Twilio API

- Built a responsive e-commerce web app using **React.js** and **Bootstrap**, improving mobile performance by 40%.
- Integrated **Twilio API** for real-time messaging, enhancing customer communication efficiency by 20%.

Simon Game – Web-Based Mini Game

Simon-2024

HTML, CSS, JavaScript

- Developed an interactive web game implementing event-driven logic and color sequence tracking, resulting in 1.5x longer play duration.
- Enhanced user experience with animations, sound effects, and progressive difficulty levels to boost interactivity.

Achievements & Certifications

Certified MERN Stack Developer – Apna College

Certificate-2025

Completed 120+ hours of hands-on full-stack training covering **React.js**, **Node.js**, **Express.js**, **MongoDB**, RESTful APIs, authentication, and deployment.

LeetCode 100 Days Coding Challenge – LeetCode

Badge-2025

Solved **100+ Data Structures and Algorithms** problems in C++ and JavaScript, ranking in the top 15% among global participants.

Technical Skills

- **Languages:** C++, JavaScript, SQL, HTML5, CSS3
- **Frameworks & Libraries:** React.js, Node.js, Express.js, MongoDB, MySQL, Bootstrap, Tailwind CSS
- **Tools & Platforms:** Git, GitHub, Postman, VS Code, RESTful APIs, MongoDB Atlas
- **Core Competencies:** Full Stack Web Development, Data Structures & Algorithms, Problem Solving, Object-Oriented Programming

Relevant Experience

Subject Matter Expert – Mathematics (Freelance)

2025

Chegg India

Remote

- Delivered 200+ verified solutions in Calculus, Algebra, and Linear Equations with 90% accuracy, assisting 500+ students globally.
- Applied analytical problem-solving and domain expertise to provide high-quality, time-efficient solutions.

Extracurricular Activities

Vriddhi - NIT Rourkela Sports Fest

Feb 2025

Core Team Member

- Organized **10+ large-scale sports events** at East India's premier fest, coordinating logistics, registrations, and event flow.
- Collaborated with a **25+ member cross-functional team** to manage resources and ensure smooth event execution.

Management Head – Intra Hall Events, VS Hall, NIT Rourkela

Jan 2024

Event Management Head

- Planned and executed **5+ cultural and sports events**, increasing student participation by 40%.
- Developed innovative engagement strategies that enhanced resident involvement and community cohesion.