

SHIVAM KUMAR

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Education

National Institute of Technology, Rourkela

Bachelor of Technology in Industrial Design Engineering (CGPA - 7.65)

August 2023 – Present

Rourkela, Odisha

Mahatma Gandhi High School, Jhajha (BIHAR)

AISCCE – BSEB, Science (PCM) (Percentage - 82.8%)

April 2023

Jhajha, Bihar

Mahatma Gandhi High School, Jhajha (BIHAR)

AISSE – BSEB (Percentage - 89.8%)

April 2021

Jhajha, Bihar

Relevant Coursework

- Data Structures and Algorithm
- AI/ML
- Object Oriented Programming
- Web Development
- Database Management
- Elements and Principles of Design

Projects

Wanderlust – Full Stack Travel Application

2025

Tech Stack: HTML, CSS, JavaScript, Node.js, Express, EJS, MongoDB (Mongoose), Passport.js, Google Maps API

- Built a responsive travel platform using Model-View-Controller (MVC) architecture for scalable code organization.
- Implemented user authentication and session management with Passport.js.
- Integrated Google Maps API to display interactive maps and location-based searches.
- Designed RESTful routes for listing creation, reviews, and user profiles.

Cycle Store – React Web Application

2025

React, Bootstrap, Twilio API

- Built a responsive cycle store web application using React and Bootstrap for an engaging user interface.
- Integrated Twilio API on the backend to enable real-time messaging for customer inquiries and store notifications.

Simon Game – Web-Based Mini Game

2024

HTML, CSS, JavaScript

- Developed a Simon Game using HTML, CSS, and JavaScript with color sequence logic and level progression.
- Added button animations and sound effects to make the game interactive and fun to play.

Achievements/Certifications

- **Certified in MERN Stack Development – Apna College** **2024-2025**
Completed a comprehensive course covering full-stack development with MongoDB, Express.js, React, and Node.js.
- **Data Structures and Algorithms** **2025**
Completed 100+ Data Structures and Algorithms problems on LeetCode using C++, including arrays, strings, recursion, and dynamic programming.
- **Subject Matter Expert (Math Tutor) at Chegg** **2025**
Solved complex mathematical problems across topics such as calculus, algebra, and linear equations, helping students understand core concepts.

Technical Skills

- **Languages:** C++, JavaScript, Python, SQL, HTML, CSS
- **Operating Systems:** Windows
- **Developer Tools:** VS Code, Git/GitHub, Postman, REST API
- **Technologies/Frameworks:** React.js, Node.js, Express.js, MongoDB, MySQL, Bootstrap, Tailwind CSS

Extracurricular Activities

Vriddhi - NIT Rourkela Sports Fest

Feb 2025

Core Team Member

- Played a key role in organizing and managing Vriddhi, East India's biggest sports festival.
- Worked closely with various teams to promote sportsmanship, unity, and excellence in competitive sports.

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

Jan 2024

Management Head

- Led the planning and execution of intra-hall competitions and cultural/sports events, coordinating with multiple teams.
- Successfully fostered team collaboration and engagement among hostel residents.