

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)

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

April 2023

Jhajha, Bihar

Mahatma gandhi high school , Jhajha(BIHAR)

BSEB (Percentage - 89.8%)

April 2021

Jhajha, Bihar

Relevant Coursework

- Data Structures and Algorithm
- AI/ML
- Art and Aesthetic design
- Web Development
- Database Management
- Elements and principles of design

Projects

Zerodha Clone – Full Stack Trading Platform (MERN Stack)

2025 – Present

React, HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, MongoDB

- Developed a responsive trading platform clone using the MERN stack, simulating core Zerodha functionalities.
- Built dynamic UI components like watchlist, Holdings, and order placement using React and Bootstrap.
- Created RESTful APIs with Node.js and Express.js for user authentication, trade execution, and data handling.
- Used MongoDB to store user data and trade history, with JWT-based secure login system.

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**
Apna College (Instructor: [e.g., Shraddha Khapra]) 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 using C++, including topics like arrays, strings, 2D arrays , Binary search , recursion etc.
- **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 with clear, step-by-step solutions.

Technical Skills

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

Extracurricular Activities

Vriddhi - NIT Rourkela Sports Fest

2025 Feb

Core Team Member

- Played a key role in organizing and managing Vriddhi, East India's biggest sports festival.
- Coordinated events, logistics, and athlete participation to ensure smooth execution of the fest.
- Worked closely with various teams to promote sportsmanship, unity, and excellence in competitive sports.

Management Head – Intra Hall Events, [VS hall], NIT Rourkela

2024 jan

Management head

- Led the planning and execution of intra-hall competitions and cultural/sports events, coordinating with multiple teams.
- Managed logistics, budgeting, and scheduling to ensure smooth operation of events with high participation.
- Successfully fostered team collaboration and engagement among hostel residents.