SHIVAM KUMAR

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Education

National Institute of Technology, Rourkela **August 2023 – Present**
Bachelor of Technology in Industrial Design Engineering (CGPA - 7.65) *Rourkela, Odisha*

Mahatma Gandhi High School, Jhajha (BIHAR) **April 2023**
AISCCE – BSEB, Science (PCM) (Percentage - 82.8%) *Jhajha, Bihar*

Mahatma Gandhi High School, Jhajha (BIHAR) **April 2021**
AISSE – BSEB (Percentage - 89.8%) *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 *WanderLust-2025*
Tech Stack: HTML,CSS,JavaScript, Node.js, Express, EJS, MongoDB , 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.

Cycle Store – React Web Application *Cycle-store-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 *Simon-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** *Certificate-2025*
  Completed an intensive MERN stack program, mastering full-stack development with focus on scalable, dynamic, and data-driven web architectures.

- **Data Structures and Algorithms** **2025**
  Successfully resolved over 200 intricate Data Structures and Algorithms challenges on LeetCode utilizing C++, encompassing arrays, strings, recursive paradigms, and dynamic programming methodologies.

- **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
- Instrumental in orchestrating and overseeing Vriddhi, East India's premier sports festival.
- Collaborated extensively with cross-functional teams to foster sportsmanship, cohesion, and high-performance excellence in competitive athletics.

Management Head – Intra Hall Events, VS Hall, NIT Rourkela **Jan 2024**
Management Head
- Spearheaded the strategic planning and execution of intra-hall competitions and cultural/sports events, orchestrating cross-team coordination for seamless delivery.
- Effectively cultivated cohesive team dynamics and enhanced resident engagement within the hostel community.