VASUDEV KUMAR

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EDUCATION

BIT Mesra *Expected May 2026*
Bachelor of Technology in Computer Science CGPA: 8.72 (Till 6th Semester)

SKILLS

Programming Languages	C, C++, Java, Python, JavaScript
Framework	React.js, Node.js, Express.js, MongoDB, MySQL, Excel
Soft Skills	Problem Solving, Leadership, Communication, Time Management

WORK EXPERIENCE

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA May 2025 – July 2025
Summer Intern *Rourkela*

· developed a Shopify-based e-commerce platform "Nut Diaries" with customized product listings, responsive frontend components, and secure checkout configuration, demonstrating strong skills in Shopify customization and UI/UX development.

INDIAN INSTITUTE OF TECHNOLOGY, PATNA March 2025 – July 2025
Summer Intern *Remote*

· Made an automated Exam Seating Arrangement System in Python to allocate students across rooms based on timetable, roll lists, and room capacities.
· Implemented intelligent room-allocation and clash detection algorithms, optimizing distribution across buildings with buffer and sparse-seating modes.
· Enabled scalable handling of hundreds of students and multiple courses, generating structured output folders and reports with zero manual intervention.

PROJECTS

Hospital Management System Live Demo

Created a role-based web application to manage hospital operations such as patient registration, doctor scheduling, and appointment tracking.
· Implemented secure authentication/authorization with differentiated access for patients, doctors,and admin.
· Designed a centralized database for medical records and staff data, ensuring consistency and easy retrieval.
· Automated appointment workflows and built the system on the MERN stack for scalability, responsive UI, and smooth integration.

Cric-IND (Organize, Track, and Win) Live Demo

· Built a full-stack cricket management system using the MERN stack to organize and track cricket operations.
· Enabled management of teams, players, coaches, practice sessions, and match schedules with complete CRUD functionality, allowing users to seamlessly add, edit, view, and remove records as needed.
· Implemented secure authentication and role-based access control, ensuring privacy and smooth user operations.
· Designed a responsive and user-friendly UI to enhance accessibility across devices, optimized the backend with MongoDB and Express.js, ensuring high scalability, and seamless integration between modules.

ACHIEVEMENTS

· **Codeforces** Specialist – Reached a rating of 1494.
· Solved **550+ DSA problems** across platforms including Codeforces, LeetCode, and GFG.
· Consistently ranked in top **10% in online contests** on Codeforces.

POSITION OF RESPONSIBILITY

IEEE BITD January 2023 - Present
Executive Member *BIT Mesra*

· Coordinated 25+ tech workshops and webinars, boosting student participation by 85% and facilitating interaction between students and industry professionals to enhance learning and networking.

DRISTI May 2023 - Present
Diksha Lead *BIT Mesra*

· Led 50+ volunteers in rural outreach programs, impacting 500+ children and collaborating with 5+ organizations to drive social development initiatives.