

Rishu Kumar

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SKILLS

- **Languages:** C++, JavaScript, C, Java
- **Frameworks:** HTML and CSS, Bootstrap, NodeJS, React
- **Tools/Platforms:** MySQL
- **Soft Skills:** Problem Solving Skills, Project Management, Adaptability, Critical Thinking

INTERNSHIP

Board Infinity – Data Structures & Algorithms in C++	June-july 2024
<ul style="list-style-type: none">• Completed a summer internship focused on Data Structures and Algorithms using C++.• Gained hands-on experience with core topics such as Trees, Graphs, Linked Lists, and various algorithmic techniques.• Practiced solving real-world problems involving sorting, searching, and optimization.• Improved logical thinking and problem-solving abilities through daily coding assignments and challenges.• Built a strong foundation in efficient coding practices and time complexity analysis.	

PROJECTS

LMS – Library Management System:	2022-2023
<ul style="list-style-type: none">• Developed a full-stack library management system to automate book tracking, member registration, and transaction processing.• Implemented real-time inventory management and role-based access for Admin, Librarian, and Member roles.• Integrated automated fine calculation, reducing overdue tracking errors by 40%.• Added dynamic search and filter functionalities, boosting book retrieval speed by 60%.• Optimized database queries, enhancing system performance by 30%.• Improved security using JWT-based authentication and encrypted transactions. Tech: React, Node.js, MySQL, JWT (for authentication), CSS, HTML	
Hotel Booking Site:	2023-2024
<ul style="list-style-type: none">• Built a web-based hotel booking platform for users to search, book, and manage reservations.• Implemented real-time availability tracking and secure payment integration.• Integrated user authentication using JWT for secure access.• Optimized backend queries for faster hotel listing and booking retrieval.• Added advanced search filters (location, price, amenities), enhancing overall user experience.• Designed a responsive user interface for seamless performance on desktop and mobile devices.• Collaborated with a team to manage version control using Git and GitHub, ensuring smooth development workflow. Tech: React, Node.js, MySQL, JWT (for authentication), CSS, HTML	

CERTIFICATES

• Microsoft Certified: Azure Administrator Associate.	April 2025
• Dynamic Programming, Greedy Algorithms	April 2023
• Programming in C++: A Hands-on Introduction Coursera	February 2024
• Generative AI with Large Language Models Coursera	April 2024

Achievements

<ul style="list-style-type: none">• Completed AZ-104 (Azure Administrator Associate) certification.• 4-star Python coder on HackerRank,.• Contributed to open-source projects on GitHub.	
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EDUCATION

Lovely Professional University	Punjab, India
• <i>Bachelor of Technology - Computer Science and Engineering; CGPA: 6</i>	Since August 2020
MP College, Siwan	Siwan, Bihar
• <i>Intermediate; Percentage: 70 %</i>	April 2020 - March 2022
Divine Public School	Gorakhpur, UP
• <i>Matriculation; Percentage: 75%</i>	April 2018 - March 2020