Manav Singh Gautam

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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 2025

* 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: 2024-2025

* 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: 2024-2025

* 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 June 2025
* Programming in C++: A Hands-on Introduction | Coursera February 2024
* Generative AI with Large Language Models | Coursera April 2024

# Achievements

* Completed AZ-104 (Azure Administrator Associate) certification.
* 4-star Java coder on HackerRank
* Contributed to open-source projects on GitHub.

# Education

**Lovely Professional University** Punjab, India

### Bachelor of - Computer Application; **CGPA: 8.6** Since August 2024

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**SM Academy** Gopalganj, Bihar

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### Intermediate; **Percentage: 63%** April 2020 - March 2022

**Divine Public School** Gorakhpur, UP

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### Matriculation; **Percentage: 78%** April 2018 - March 2020