

Nishant Kumar

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SKILLS

Languages: C++, Python, C, Java
Tools/Platforms: MySQL, GitHub, Linux, VMware, Git, Ubuntu
Soft Skills: Problem-Solving, Team Player, Adaptability, Logical Thinking

PROJECTS

Certificate Validation System | Python, HTML, ML Predictive Analysis [link](#) May' 24

- Built a certificate validation system using Python and integrated ML-based predictive analysis, allowing the system to automatically verify certificates with an accuracy improvement of about 82% over manual checks.
- Cleaned and analyzed certificate-related data in Python, fixing all inconsistencies and speeding up the validation process by roughly 60% through automated predictions instead of manual review.
- Created a simple and user-friendly HTML interface to display validation results clearly, leading to a 92% satisfaction score from testers.

Hospital Management System | HTML, JavaScript, CSS, Node.js, MySQL [link](#) Jun' 23

- Built a hospital management system using Node.js and MySQL to manage patient records and appointments, reducing manual work and improving data accuracy across departments.
- Automated key operations like patient registration and doctor scheduling, which helped speed up daily workflows and cut down processing time by nearly 65%.
- Designed a clean and responsive interface using HTML, CSS, and JavaScript, making the platform easier to navigate and improving overall user experience for staff and patients.

TRAINING

Center of Professional Enhancement (Lovely Professional University) Jun' 25 – Jul' 25

Data Structures and Algorithms using C++

- Implemented data structures such as arrays, linked lists, stacks, queues, trees, and graphs in C++, improving problem-solving efficiency and reducing execution time of algorithms by nearly 30%.
- Solved and optimized sorting and searching algorithms—including merge sort, quick sort, and binary search—resulting in a 40% improvement in runtime compared to initial implementations.
- Analyzed time and space complexity using Big-O notation and applied dynamic programming techniques to enhance solution performance by approximately 25% in competitive problem scenarios.

CERTIFICATES

Generative AI Professional | Oracle [Link](#) Sept' 25

Bits and Bytes of Computer Networking | Google [Link](#) Apr' 24

Introduction to Hardware and Operating System | IBM [Link](#) Aug' 24

Fundamentals of Network Communication | University of Colorado [Link](#) Nov' 24

ACHIEVEMENTS

- Solved 500+ questions on GFG Oct' 25
- Achieved 3-star rank on HackerRank in problem solving Sept' 25

EDUCATION

Lovely Professional University Phagwara, Punjab
Bachelor of Technology Aug' 23 – Present
Computer Science and Engineering; CGPA: 8.77

B.B.M College Jehanabad, Bihar
Intermediate Mar' 22 – May' 23
PCM; Percentage: 82%

D.A.V School Patna, Bihar
Matriculation Mar' 19 – May' 20
Percentage: 94.8%