

Nishu Kumar

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🌐 [LinkedIn](#)

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EDUCATION

B. Tech Computer Science and Engineering

2022-2026

Jai Narain College of Technology (LNCT Group of Colleges), Bhopal

CGPA: 7.51 | SGPA: 8.17

12th Standard

2021

Saraswati Shishu Mandir

Percentage: 82.3

10th Standard

2019

Abhinav Shishu Vidya Mandir

Percentage: 92.0

TECHNICAL SKILLS

Languages: Java, C++, C, HTML/CSS, JavaScript.

Databases: MongoDB, SQL, MySQL.

Backend Development: Node.js, Express.

Cybersecurity: Network Security, Firewall Management, Threat Detection, Incident Response, Risk Management.

CS Fundamentals: Data Structures and Algorithms, Operating Systems, Computer Architecture, SDLC, OOP, Testing.

Soft Skills: Attention to Detail, Quick Learner, Adaptability.

Tools: Git, GitHub, VS Code, Android Studio, Linux.

EXPERIENCE / CERTIFICATION

Fortinet Networks Security Virtual Internship | EduSkill-AICTE 10 weeks Virtual Internship

April - June 2024

- Implemented and managed Fortinet firewalls, conducted real-time network traffic analysis, and assisted in incident response strategies to enhance cybersecurity.

Palo Alto Networks Cybersecurity Virtual Internship | EduSkill-AICTE 10 weeks Virtual Internship

Jan - March 2024

- Utilized Palo Alto firewalls and performed vulnerability assessments to strengthen network security.

Infosys Springboard | Java Programming Fundamentals

Sep - Nov 2023

- Completed Java Programming Fundamentals on Infosys Springboard, gaining proficiency in core Java concepts, object-oriented programming, exception handling, and data structures to build efficient and scalable applications.

Virtual Internship in Cybersecurity by CISCO Networking Academy

May - June 2023

- Created a visual representation of Network Topology of a college and did packet flow investigation using CISCO's Packet Tracer.

PROJECTS

Instock | MongoDB, Node.js, Express.js, React.js, Chart.js, Bcrypt.js, Bootstrap | [GitHub](#)

Nov - Jan 2025

- Instock is a full-stack web application where users can successfully create an account and learn investment tips. Instock successfully displays stock prices from NSE and BSE. It also connects two different pages running on different hosts. Users can buy predefined stocks and sell them. Instock features a wallet system where users can add funds and transfer them in real time. The application utilizes Chart.js to display stock prices in chart form.

Urban Waste Control | MongoDB, Node.js, Express, JavaScript, HTML/CSS, JWT, bcrypt.js | [GitHub](#)

Sep - Oct 2024

- Developed a web-based Urban Waste Control System to streamline municipal waste management. This system allows users to report missed garbage pickups and uncollected public waste with real-time photo uploads. Integrated dashboards for public users and municipal employees ensure efficient tracking, issue resolution, and monitoring of public sanitation. The platform enhances accountability and transparency, helping municipalities address waste-related concerns efficiently. Users can submit reports, while municipal employees can track and resolve issues systematically. By leveraging technology, this system improves urban cleanliness, promotes better waste management, and ensures a healthier environment for communities.

Flight Booking System | C++, File Handling | [GitHub](#)

Sep - Oct 2023

- Developed a non-GUI Flight Management System in C++ with a file system, enabling users to log in, create a password, select their location, choose a flight, and determine their departure. The system ensures secure user authentication and structured data handling. Users first register with a unique password, then browse available flight options based on their chosen location. The system efficiently manages flight selections, storing user details in files for persistence. This project showcases file handling, user authentication, and structured programming in C++, providing a foundational approach to flight management without a graphical interface while ensuring smooth data operations.

ACHIEVEMENTS

Project Expo 2024 Winner, Jai Narain College of Technology

- Awarded for outstanding innovation and implementation of the Urban Waste Control System, a smart solution for efficient waste management and enhanced municipal-public communication, marking our second consecutive win at Project Expo.

Idea Presentation Competition.

- Won the Idea Presentation Competition through a digital poster, enhancing my critical thinking, confidence, soft skills while effectively presenting innovative concepts.

Academics and Extracurricular Activities.

- Earned multiple awards and medals in school for outstanding performance in both academic excellence and extracurricular activities, demonstrating a well-rounded skill set and dedication to holistic development.