SHUBHAM KUMAR

Enrollment No.: BT23CSE038

B.Tech - Computer Science and Engineering

Visvesvaraya National Institute of Technology, Nagpur

📞 +91-6206488715

✉ shubham13051990@gmail.com

DOB: **13-05-2005**

🎧 Github

📎 LinkedIn

EDUCATION

Degree/Course	Institute/Board	CGPA/Percentage	Year
B.Tech, Computer Science and Engineering	Visvesvaraya National Institute of Technology, Nagpur	7.08(current)	2027
CLASS XII(HSC/CBSE)	British English School	88.6%	2023
CLASS X(SSC/CBSE)	British English School	90%	2021

PROJECTS

- **Smart Parking Management System**   Github

  Tools & technologies used: C, B+ tree, File Handling
  - Smart parking system efficiently manage vehicle entries, exits and slot allocation using B+ tree for fast searching and sorting. Implemented categorized parking with real time slot tracking and billing based on duration and membership type.
  - Designed insertion and search function based on multiple keys such as vehicle number, number of parking and payment amount.

- **Library Management System**   Github

  Tools & technologies used: C++, Object-Oriented Programming (OOP), File Handling
  - Built a C++ application simulating a real-world library system using OOP principle.
  - The system tracks book inventories, member details, issuing/return operations, and late return fines. Classes for Book, Member, Student, and Faculty were designed to manage borrowing limits and fine policies.

- **Best-Fit Memory Allocation Simulator**   Github

  Tools & technologies used: C, Dynamic Memory Management, Structs
  - This project implements a simulation of memory management system using Best-Fit allocation strategy. Users can interact through a menu-driven interface to allocate, free, and view current memory state.
  - It divides a fixed-size memory pool into blocks and handles user memory requests by allocating the smallest free block that fits the request.

TECHNICAL SKILLS

Languages: C/C++(Intermediate), Python(Basic), Java(Intermediate),JavaScript(basic)

Developer Tools : VS Code, GDB

Coursework: Data Structures and Algorithms, Object Oriented Methodology

Areas of Interest: Object-Oriented Programming, Cybersecurity, Web Development

EXTRA CO-CURRICULAR

- Badminton/ Table Tennis/ Running