NUPUR SHIVANI

Muzaffarpur, Bihar

📞 +91-7488561929 ✉ nupurjha.me@gmail.com 🔗 Linkedin 🔗 Github 🔗 Leetcode

EDUCATION

VIT Bhopal University   **2026**
*B.Tech - Computer Science and Engineering specialization in Cyber Security & Forensic - **CGPA** - **8.51***

COURSEWORK / SKILLS

- DSA
- Oops Concepts
- AWS
- Operating System
- Software Engineering
- Computer Networks
- DBMS
- Machine Learning

PROJECTS

MedSync - Smart Hospital Management System 🔗 | React Node Express MongoDB Javascript   **2025**

- Developed MedSync, a full-stack hospital management system using React.js, Node.js, and MongoDB, improving OPD queue efficiency by 40 percent.
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- Implemented real-time bed tracking with automated alerts, reducing hospital resource shortages , and enhanced system security by implementing role-based access control (RBAC) and JWT authentication, improving overall performance by 30 percent

Blog-Shorts 🔗 | React, Redux, Express, Node, MongoDB, Axios, Multer   **2024**

- Developed a dynamic blogging platform leveraging Multer for image uploads, React for interactivity, Express and Node.js for backend functionality, and MongoDB for dbms, ensuring robust, scalable performance.
- Implemented features for users to create, publish, and manage blog posts, ensuring a seamless experience.
- Designed an intuitive user interface (UI) to enhance user engagement and satisfaction, facilitating smooth navigation and interaction, with features such as profile customization and the ability to comment on posts.

Hotel-Reservation 🔗 | C++ and DSA   **2023**

- The "Hotel Reservation System" in C++ uses various data structures for room reservation, availability, and account management, offering clients a user-friendly interface to schedule reservations and view room details.
- Provided an admin interface to manage reservations, ensuring smooth hotel operations.
- Implemented data validation and error handling to enhance system reliability and prevent booking conflicts.

TECHNICAL SKILLS

Languages: C/C++, Java, JavaScript, python, SQL
Technologies/Frameworks: C++STL, HTML, CSS, Django, MongoDB, Express, React, NodeJS, Git, GitHub Actions, Axios, Numpy, Pandas, Matplotlib, AWS
Developer Tools: VS Code, Canva, Matlab, Google Colab, Excel, Figma, PowerPoint, Word, Notion

CERTIFICATIONS AND ACHIEVEMENTS

- BSNL In-Plant Training
- MERN Full Stack - ETHNUS
- ACM Winter School'23 in AI and ML in Industry0.4: IIT Patna
- NPTEL Cyber Physical Systems with a consolidated score of 56 %
- Smart India Hackathon 2024 - Internal Round Qualifier
- The Bits and Bytes of Computer Networking: Coursera
- Cyber Security Analyst - IBM
- Deloitte Data Analytics Job Simulation - virtual internship

EXTRACURRICULAR

∗ Vice President — SIAM Chapter — VIT BHOPAL.Jan 2024 - Mar 2025
∗ Treasurer — ACM Chapter — VIT BHOPAL.Dec 2023 - Mar 2025