LOKESH VAISHNAV

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Education

Maulana Azad National Institute of Technology, Bhopal	**2023-2027**
Bachelor of Technology in Computer Science and Engineering	*CGPA - 8.00*
Govt. senior secondary school, Dadabari, Kota, Rajasthan	**2021-2022**
Class XII (PCM)	*Percentage: 92.6*
Bharat shiksha niketan, Taraj, Jhalawar, Rajasthan	**2019-2020**
Class X	*Percentage: 97.5*

Technical Skills

Languages: C++, C
FrontEnd Development: HTML, CSS, JavaScrip,React.js,Tailwind css
Backend Developement: Node.js, Express.js
Databases: SQL, MongoDB
Software Tools: Git, Github, VS Code,Cursor
Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems

Projects

Secure Password Manager ⧉ | *React.js, Shadcn, Tailwind CSS, Node.js, Express, MongoDB, CryptoJS*   ⦾ **Link**
- Implemented AES-256 encryption for 100% secure password storage, eliminating any risk of plain-text exposure.
- Optimized retrieval time by ~40% with indexed MongoDB queries, enabling instant access to stored credentials.
- Designed a responsive, minimal UI with 95%+ mobile compatibility, enhancing user experience and reducing navigation time by ~30%.

Huffman Compressor ⧉ | *React.js, D3.js, Material UI*   ⦾ **Link**
- A Huffman-based text file compressor/decompressor achieving up to 65–75% reduction in size for large datasets.
- Implemented a custom binary header format that reduced metadata overhead by 40% compared to JSON storage.
- Designed an interactive Huffman Tree visualization with edge labels (0/1), improving algorithm explainability and user learning experience.
- Delivered a result analytics dashboard displaying original size, compressed size, and space savings, improving transparency in performance evaluation.

Personal Portfolio ⧉ | *React.js, JavaScript, Tailwind CSS*   ⦾ **Link**
- Developed a fully responsive personal portfolio website using React.js, JavaScript, and Tailwind CSS, providing an interactive platform to showcase projects, skills, and qualifications effectively.
- Designed a visually appealing UI with Tailwind CSS, ensuring a clean and professional look across all devices.
- Implemented smooth animations and interactive elements using JavaScript for an engaging user experience

Position Of Responsibilities

IBC, MANIT Bhopal	**July 2024 – Present**

Web Developer
- Contributed to the development of the official website for IBC MANIT, ensuring a responsive design and seamless user navigation.
- Developed and managed a secure online registration system for IBC's flagship Model United Nations (MUN), streamlining participation and handling data for 500+ delegates seamlessly.
- Utilized Git and GitHub for version control and collaborations, ensuring code integrity, seamless tracking of changes, and effective collaboration among 4 team members.

Achievements

- Solved 500+ Data Structure and Algorithms Problems on Multiple Platforms
- Achieved a highest rating of 1013 on Codeforces
- Achieved a highest rating of 1481 on CodeChef