NIKHIL BOBDE

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SUMMARY

Prefinal year Int. M.Sc. Physics student at SVNIT Surat with strong problem-solving skills and hands-on experience in C++, Data Structures & Algorithms, and web development. Completed simulation projects in Physics (Perovskite Solar Cells) and actively practicing DSA for SDE roles.

PROJECTS

Real-Time Chat Application | *DaisyUI, Socket.io, Tailwind CSS, MongoDB, Express, React.js, Node.js*
- Live Demo — GitHub
- Developed a real-time chat application with modern UI and seamless messaging, achieving 30% lower latency using Socket.io.
- Secured user access with JWT authentication and enhanced UX through persistent login and real-time online status tracking.

Sorting Algorithm Visualizer | *HTML, CSS, JavaScript*
- Live URL — GitHub
- Built interactive web app visualizing 6 sorting algorithms with animated comparisons/swaps
- Implemented async animation system with configurable speed, array size (5-200), and pause/resume
- Designed responsive UI with live statistics, keyboard shortcuts, and modern gradient-based styling

Expense Tracker App | *HTML, CSS, JavaScript, LocalStorage*
- Live URL — GitHub
- Built a simple and intuitive expense tracker that lets users add, edit, delete, and categorize their daily expenses while instantly updating the balance.
- Used browser LocalStorage to save expense data so users don't lose their records after refreshing or reopening the app, without relying on any backend.
- Displayed clear summaries for total income, total expenses, and remaining balance, focusing on a clean UI and smooth user experience.

SKILLS

Languages: Javascript, HTML, CSS, C++, Python
Frameworks: React, Node.js, Express, Django
Soft Skills: Time Management, Teamwork, Problem Solving

KEY COURSES TAKEN

Data Structures, Algorithms, Object-Orienteded Programming , FrontEnd development, Web Development

EDUCATION

Sardar Vallabhbhai National Institute Of Technology	**Surat, Gujarat**
Integrated Master of Science in Physics	*Nov. 2022 – May 2027*
Kendriya Vidyalaya NO.1 G.C.F	**Jabalpur, Madhya Pradesh**
Higher Secondary	*Apr. 2020 – May 2021*
Kendriya Vidyalaya NO.1 G.C.F	**Jabalpur, Madhya Pradesh**
Lower Secondary	*Apr. 2018 – May 2019*

POSITION OF RESPONSIBILITY

- Served as Co-Convener of SCOSH Club, leading and mentoring 50 scientific minds for a year through research initiatives, innovation programs, and collaborative projects
- Coordinator, ACM Coding Club: Facilitated coding activities and workshops to foster programming culture

ACCOMPLISHMENTS

- **Google Winter Of Code:** Achieved the 3rd runner-up position in our college competition for the given problem statement
- **Leetcode:** Secured a global rank of 1153 in Biweekly Contest 152 among thousands of participants.