SUYASH BANDI

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PROFESSIONAL SUMMARY

Full-stack developer with a strong foundation in modern web technologies and real-time systems.
Experienced in building responsive, scalable applications using React, Node.js, MongoDB, and RESTful APIs.
Driven by curiosity and committed to delivering clean, efficient code that solves real-world problems.

EDUCATION

Vellore Institute of Technology Bhopal - BTech (CSE)   **June 2022 - Present**

St Arnolds Vijaynagar Indore- 10th **& 12**th **Class**   **April 2019- July 2022**

SKILLS SUMMARY

Programming Languages: Java, JavaScript
Front-End Development: HTML, CSS, JavaScript, React.js, Tailwind
Back-End Development: Node.js, Express.js, WebSockets, RESTful APIs
Database Management: MongoDB, MySQL
Version Control & Tools: Git, GitHub, Visual Studio Code

PROJECTS

GeoVista – Interactive Global Insights Platform || LIVE DEMO
- Developed a fast, responsive React app to explore country-level data with interactive search and detailed profiles.
- Integrated REST APIs to provide real-time geographical, political, and economic information for 200+ countries.
- Built modular, reusable components with scalable architecture for easy future feature expansion.
- Deployed on Netlify for secure, fast, and reliable global hosting with continuous deployment.
- **Tech Stack:** React, Vite, REST APIs, JavaScript (ES6+), CSS3, Netlify

CollaBoard (Real time Collaboration Board):
- Built a real-time collaborative whiteboard app enabling multiple users to draw together on a shared canvas. Developed secure JWT-based authentication to enforce robust user and driver access control and protect sensitive data.
- Integrated Socket.IO with Node.js & Express.js for instant, low-latency synchronization of drawing events.
- Implemented drawing logic with HTML5 Canvas and JavaScript events for smooth, intuitive interaction.
- Deployed with a lightweight, scalable architecture for fast and reliable browser-based collaboration.

ADDITIONAL

- Built a Machine Learning model to predict dissolved oxygen levels in river water using Random Forest; currently deepening knowledge in ML concepts and applications. [Github]
- **NPTEL** Certification **– Introduction to Algorithms and Analysis (**IIT Kharagpur**),** Jul–Oct 2024
  Achieved a consolidated score of **78%** in a 12-week course covering core algorithmic techniques and complexity analysis.
- Solved **200+ problems on LeetCode**, enhancing data structures and algorithms proficiency through consistent practice.
- **Event Management Chief**, VITronix Club, 2024-25, VIT BHOPAL.