Vedant Rajendra Balpande

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EDUCATION

Dayananda Sagar College Of Engineering   Bengaluru, India
*Bachelor of Engineering - Information Science and Engineering, **CGPA: 9.12***   *Nov 2022 - 2026(Expected)*

B.S.P Senior Secondary School Sector-X   Bhilai, India
CBSE Class - XIIth   *2021-2022*

TECHNICAL SKILLS

Languages: C/C++, Python, Javascript, HTML+CSS
Libraries : C++ STL, Python Libraries, ReactJs
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks: Bootstrap, Tailwind CSS, ReactJs, ExpressJs, NextJs
Cloud/Databases:MongoDb, Relational Database(mySql)
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database
Management System.
Areas of Interest: Web Design and Problem Solving.

EXPERIENCE

Bharat Intern 🔗   Bengaluru, India
Full-Stack Developer   *May 2024 – June 2024*

- Created a **Money Tracker App** for managing expenses and income using **HTML, Tailwind CSS, Node.js, and MongoDB.** ⊙ GitHub 🌐 Live
- Created a **Blog Website** built using **HTML, JavaScript, Bootstrap CSS, Node.js, Express, and MongoDB**, allowing users create, edit, and delete blog posts. ⊙ GitHub 🌐 Live
- Developed a user **Registration Form System** built with **HTML, JavaScript, Bootstrap CSS, Node.js, Express, and MongoDB,** featuring user authentication. ⊙ GitHub 🌐 Live

PROJECTS

Chat-WebApp | *Socket.IO, Node.js, Express.js, Tailwind, React.js Git*   **Sept − 2024**

- Developed a user-friendly chat application enabling user authentication through username and room input, establishing real-time communication with Socket.IO, and conditionally rendering the chat interface based on user interaction.
- The application enables instant communication through WebSocket technology, allowing users to send and receive messages in real time within designated chat rooms.

Smart Traffic Management System | *Python, Pyfirmata, ftplib Git*   **Aug − 2023**

- Utilized computer vision (yolo v8) for adaptive traffic signal control and real-time traffic density calculation
- Utilized Arduino Uno to control traffic lights, enhancing traffic management and signal synchronization.
- Implemented WLAN data transfer using FTP to send real-time traffic density information for signal and data logging and utilized parallel computing for efficient data processing and traffic management

Restaurant-Management-System | *Python, PySimpleGUI, MySQL Git*   **Jul − 2024**

- Developed a restaurant management system using Python and MySQL, featuring user registration, login, menu display, order placement, and profile management, all with an intuitive GUI created using PySimpleGUI.
- Gained experience in connecting a MySQL database with a Python application for effective data management.
- Developed user-friendly interfaces using PySimpleGUI, enhancing user interaction.
- Improved skills in full-stack development by implementing features for user registration and order management.

ACHIEVEMENTS AND CERTIFICATIONS

- GeeksForGeeks **250+ Problem Solved** 🔗
- HackerRank **5-Star** Badge in C++ 🔗
- CodeChef **Max Rating 1529** and 300+ Problem Solved 🔗