VEDANT KASHYAP

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Education

Graphic Era Deemed to be University   **2021 –2025**
Bachelor of Technology in Computer Science and Engineering   *Dehradun, Uttarakhand, INDIA*
- Cumulative GPA: 8.77/10.0

Brilliant Public School   **2020 - 2021**
HSC / Intermediate   *Bilaspur, Chhattisgarh, INDIA*
- CBSE Board *(Percentage)* : 90%

Experience

Oasis-Infobyte | Project-Link   **Jan 2024 - Mar 2024**
Web Development and Designing
- A **Real-Time Collaborative Code Editor** using **React, Node.js, Express.js, and Socket.io**, enabling seamless multi-user coding sessions.
- Implemented **WebSocket integration** for real-time updates and collaboration across users.
- Deployed he full-stack application on **Render**, ensuring accessibility and smooth user experience.
- Developed a user-friendly interface that improved navigation and engagement, coupled with optimized backend processes which reduced latency to under 200 milliseconds for an enhanced real-time user experience.

Projects

Social-Media-App (ViSocial) | *React, MongoDB, Express, Socket.io, REST-API* | **Project-Link**
- Comprehensive **REST API**: Designed for user authentication, post management, and real-time conversation handling.
- Established reliable **user authentication** systems with bcrypt encryption techniques that led to **zero data breaches** during the operational phase while managing real-time interactions among users in the application.
- Implemented WebSocket technology to facilitate **real-time messaging**, enabling users to seamlessly initiate and manage conversations with instantaneous update capabilities for enhanced user experience.
- Implements security measures and middleware for role-based access control, data validation, and protection using Helmet and CORS.

Firebase-Contact-App | *React.js, JavaScript, Firebase, Tailwind CSS* | Project-Link
- Objective : A contact app utilizing Firebase.
- Implementing **CRUD** operations and contact search functionality using Firebase in a React project.
- Conducted an in-depth audit of Firebase setup to optimize permissions and policies, enhancing database security and protecting user data; strengthened system resilience and minimized vulnerability to cyber threats, resulting in 30% decrease in unauthorized access incidents.
- The completed app is hosted on Site for users to access.

Online-Voting-System | *Html, CSS, PHP, JavaScript, SQL* | Project-Link
- A comprehensive online voting system using PHP, JavaScript, HTML, and CSS, enhancing security and user experience.
- Designed and deployed **authentication and encrypted** registration systems, enhancing security and aligning with industry-leading data protection regulations to safeguard user information.
- Established automated checks on all incoming user submissions which ensured 100% validation of entries, ultimately enhancing application robustness while minimizing any chance of malicious attacks targeting sensitive information.

Gesture-Control-Presentation | *OpenCV, PyCharm, Mediapipe, NumPy, cvzone* | Project-Link
- Objective : Implement a **robust hand gesture recognition** system using computer vision techniques and machine learning algorithms.
- Train the system to accurately recognize specific gestures for moving the slides forward, backward, pointing, and initiating the drawing mode.
- Thumb for backward, index and middle for pointing, index for drawing, little finger for forward, and three - fingers for erasing. Enhance interactivity and engagement in presentations.

Technical skills

Languages : C, C++, Java, JavaScript, SQL(Structured Query Language), Python, Git, PHP
Database : MySQL(Oracle), MongoDB
Web Technologies : HTML/CSS, Tailwind CSS, React.js, Node.js, Express.js , REST Api, Socket.io
Game Design Tool : Unreal Engine 5 (UE5)

Achievements

- **CodeChef :** STARTERS 153 : Global rank of 12 out of 25000+ participants
- **Certificates :** Web Development , Game Development
- **Leetcode :** vedantk1003 with a 1678 rating, achieved A.I.R 784 in Weekly Contest 368.