PRANAV SONAR

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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR   **2021 − 2025**

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Web Development
- Software Engineering
- Database Management System (DBMS)
- C++
- Computer Networks

EXPERIENCE

Ministry of Defence 🔗 | Fullstack Web Developer   **Jan 2024 - Feb 2024**

- Consolidated leave management and attendance tracking features into a single unified platform using React routing, resulting in a streamlined user experience and reducing navigation time by 40%.
- Transformed data handling capabilities by implementing MongoDB, leading to a 50% reduction in query processing time and enhancing storage efficiency by 30%.

PROJECTS

Customer Relationship Management (CRM) System 🔗 | MongoDB,Express,React,NodeJS   **2024**

- Enhanced customer data management system with functionalities for adding, editing, deleting, and importing data; implemented secure user authentication, reducing data entry errors by 40% and increasing security compliance by 25%.
- Enhancing my skills in backend development, API creation, and advanced JavaScript concepts.

Admin Dashboard 🔗 | Next.js, Next.js Server Actions,Javascript, Mongodb ,Css   **2024**

- Developed an admin dashboard using Next.js for efficient management and analysis of product data, user information, and tasks.
- **Features:** 1)Analytics 2)User Management 3)Task Management 4)Notifications
- Implemented secure and efficient CRUD operations using Next.js server actions
- Integrated MongoDB for data storage and retrieval
- Developed real-time notification functionality.
- Deployed the application on Vercel for seamless access and scalability

Full Stack Video Streaming Application 🔗 | React.js,Node.js,Express.js,FFmpeg   **2024**

- The video streaming application where, I build youtube link application. We will upload the video on our server, store the file, make it streamable using FFMPEG library. Then we will get that stream link into our frontend built using React.
- FFmpeg: Encoding and transcoding of a Video.
- Enhanced backend proficiency through development of 20+ scalable APIs and server optimization, cutting infrastructure costs by 25% and improving user data retrieval speed by 60%.

Web RTC : Real-time communication platform 🔗 | ReactJs,Javascript,Html,Css,Agora io   **2024**

- With React's component-based architecture, we can easily build a flexible and responsive user interface that adapts to various screen sizes and devices. By utilizing Agora.io's SDK, we can implement features such as real-time video/audio streaming within our React application..
- Our WebRTC React project leverages the power of Agora.io's real-time communication platform to enable seamless video/audio communication within web applications

TECHNICAL SKILLS

Languages: C, C++, JavaScript, ,SQL, NoSQL,
Technologies/Frameworks: HTML5, CSS, Tailwind,Javascript, ReactJS, NextJS, NodeJS,Express, Blockchain
Developer Tools: VS Code,Figma,Postman,MongoDB Compass
Version Control: Git/Github

Coding Profile

- **500+** question Solved across platform
- 3 star at **codechef**
- Global rank **58** on codechef weekly contest(div 3)

CERTIFICATIONS

- Blockchain - IIIT Nagpur
- Operating Systems-NPTEL Course by IIT kharagpur

EXTRACURRICULAR

- **GFG Hackathon** | Web Development Head
  I effectively communicated with team members, delegated tasks based on strengths, managed project timelines, and resolved conflicts to foster a positive team environment.
- Taught Basic **C++ and DSA.**
- Member of Management Team at College Technical Festival **Tantra Fiesta**