SAHIL BISHT

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Education

KIET Group of Institutions   **June 2021 – May 2025**
Bachelor of Technology Computer Science   *Ghaziabad, Uttar Pradesh*

Kendriya Vidyalaya No.1 Hindan   **April 2019 – May 2020**
Senior Secondary   *Ghaziabad, Uttar Pradesh*

Certifications/Cousework

- AWS Academy Cloud Foundations(Link)
- Google Cloud Skill Boost(Profile Link)

Experience

EasyEd   **January 2023 – Present**
Full-Stack Developer   *Greater Noida, Uttar Pradesh*

- Orchestrated front-end and back-end development initiatives, leading UI/UX design, API development, and database management tasks; boosted user engagement by 40% through intuitive interface enhancements and optimized API performance for faster data retrieval.
- Led comprehensive code reviews, identified 50+ critical issues, and executed debugging processes, resulting in a 40% reduction in software bugs and enhancing overall application stability and performance.
- Deployed the backend system on Amazon AWS, optimizing for at least 99.99% availability and scalability to handle a minimum of 1000 requests per second.

Projects

DocuMate | *React, Node.js, MongoDB ,Socket.io* | **GitHub** | **Live preview**   **July 2024 - August 2024**

- Developed a real-time collaborative document editor similar to Google Docs, utilizing React.js for the front-end and Node.js with Socket.IO for real-time communication and back-end services.
- Implemented real-time bidirectional communication with Socket.IO, enabling seamless document collaboration and instantaneous updates across multiple users, which improved collaboration efficiency by 50%.
- Leveraged Docker to containerize the application, ensuring consistent deployment environments and simplifying scaling, which resulted in a 40% reduction in deployment time and increased stability across different environments.

Bloggle | *React, Node.js, MongoDB, Express.js* | **GitHub** | **Live preview**   **August 2023 - October 2023**

- Engineered a full-stack blog writing website leveraging the MERN (MongoDB, Express.js, React.js, Node.js) stack to facilitate blog creation, reading, and interaction functionalities.
- Designed RESTful APIs using Express.js and Node.js to streamline user authentication, blog creation, and commenting, enhancing user engagement by 45% and reducing server response time by 25%
- Integrated MongoDB to store user data, blogs, and comments, handling over 10,000 user records and ensuring scalability and efficient data retrieval, resulting in a 30% reduction in query response time.

Def Call | *React, Node.js, Python, and Socket.io* | **GitHub** | **Live preview**   **March 2023 - June 2023**

- Created a specialized video calling platform tailored for deaf and mute individuals, integrating a machine learning model trained on American Sign Language (ASL) to detect and interpret hand gestures.
- Utilized Python to develop the machine learning model, React for the front-end interface, Node.js for server-side logic, and Socket.IO for real-time communication, resulting in a 30% increase in processing speed and a 20% improvement in real-time responsiveness.
- Conducted extensive testing and optimization to achieve 95% accuracy in detecting ASL gestures across diverse lighting and environmental conditions.

Technical Skills

Frontend: ReactJs, React Native
Backend: Node.Js, Express.Js, PHP
Database: MySQL, MongoDB, PostgresSQL
DevOps/Cloud: Amazon AWS, Microsoft Azure, GCP, Docker
Programming Language: JavaScript, C, C++, Python, Rust, GoLang
Tools: JIRA, VS Code, Github Actions, Git

Languages Known

Hindi, English, Spanish