Shivam Kumar

shivam100nsingh@gmail.com | +91 9137452410 | LinkedIn | GitHub

EDUCATION

Kalinga Institute of Industrial Technology   Odisha
*Computer Science Bachelors (B.Tech) - **8.66***   *June 2020 – May 2024*

EXPERIENCE

Celebal Technologies   Remote
Backend Engineer   *June 2023 – August 2023*
- Used Node.js to build a scalable website for writing blogs.
- Utilized **Nginx** as a **reverse proxy** for scalability and HTTP caching.
- Implemented **database sharding** for failover prevention.
- Adopted the **master slave** architecture for the database to prevent a single point of failure.
- Implemented **consistent hashing** for efficient load balancing.

PROJECTS / OPEN-SOURCE

Real-time Chat Application with File Sharing   React.js — Node.js — Socket.io
- Developed a robust client-server **monolith architecture** for a real-time chat application, enabling seamless communication among users in both private and group settings, promoting efficient collaboration and engagement.
- Implemented a file-sharing feature with a file size limit of 15MB, facilitating the exchange of diverse file formats, enhancing the application's utility and user experience.
- Utilized Socket.io to establish a cutting-edge, **full duplex**, bidirectional communication system, ensuring instant message delivery and real-time interactions for a dynamic and engaging user experience.
- Employed **object-oriented programming** principles to create a role-based privilege system, empowering administrators to manage and moderate the application effectively, enhancing security and user control.

Resume Builder   React.js — HTML — CSS
- Developed a user-friendly resume builder website, offering individuals a seamless platform to create and customize their professional resumes effortlessly.
- Utilized cutting-edge web technologies, including React.js, HTML5, CSS3, and Bootstrap, to develop a highly responsive and visually appealing user interface, enhancing the user experience and accessibility.
- Engineered an intuitive **drag-and-drop** resume building feature, allowing users to effortlessly arrange and customize their resume sections, ensuring a seamless and personalized resume creation process.
- Implemented a convenient **download** feature that enables users to instantly export their resumes as high-quality PDF files directly from the resume builder website, streamlining the finalization and sharing of their professional documents.

SKILLS

Programming Languages: C, C++, JavaScript, Python

Libraries/Frameworks: React.js, Node.js, Express.js

Tools/Platforms: Postman, Kafka, Nginx

Databases: MySQL, MongoDB

Additional Expertise: DSA, System Design, Computer Networking, OS , OOPS

CERTIFICATES AND ACHIEVEMENTS

- Secured an All India Rank of **987** in Google Kickstart 2021

- Cisco Certified Network Associate (**CCNA**) - View Certificate

- Completed a virtual internship at JP Morgan Chase and Co (JPMC) - View Certificate

- Achieved a global rank of **2.7k** out of 28k participants in a Codeforces coding contest