

Sahil Kumar

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SKILLS

- **Languages:** C++, Java, JavaScript, Python, TypeScript
- **Frameworks:** React.js, Node.js, Next.js, Express.js, Tailwind, JWT Auth
- **Tools/Platforms:** MySQL, MongoDB, Postman, Git, GitHub, Docker, Vercel, Render
- **Soft Skills:** Problem-Solving, Team-Oriented, Quick Learner, Prioritization

PROJECTS

Auction Platform – Seamless Online Bidding Experience

Nov 2024

Tech: React, Node.js, Express, MongoDB, Tailwind, Material UI

- Implemented real-time bidding using WebSocket, supporting up to 300 simultaneous bids.
- Designed the platform to charge a 5% fee on the total bidding expenses, which is collected and Managed by the super admin.
- The platform also includes a super admin system to manage the platform and track revenue.
- Built the backend with Node.js, Express, and MongoDB deployed on Vercel for 99% uptime.
- Enabled secure payment processing using Stripe API, ensuring smooth financial transactions.

Job Seeking Website – Create, Get and Apply for a Job

Oct 2024

Tech: React, Node.js, Express, MongoDB, CSS

- Designed a system where job seekers can create job postings with relevant details.
- Created an intuitive form-based application process for employers to apply for jobs.
- Built the backend using Node.js and MongoDB, ensuring efficient data handling for over 1,000 users.
- Deployed the platform using Render, ensuring high availability and performance.

Movie Streaming Website – Online Streaming

Jun 2024

Tech: React, Node.js, Redux, MongoDB, REST API

- Developed a user authentication system with email-based signup and login functionality.
- Designed a sleek UI for browsing and streaming movies using ReactJS.
- Released the scalable backend on AWS with Node.js, enabling support for 200+ concurrent streams.
- Added features like user profiles, watch history, and personalized recommendations.

Laptop Repair System– Add, Update, Delete and Details of Laptop

Feb 2024

Tech: C++

- Ensured data persistence and efficient access for 100+ records using file handling techniques..
- Enhanced issue resolution by integrating an Expert Recommendation Feature with 4 experts.
- Handled up to 50 daily queries with robust validation and search functionalities.
- Optimized file operations, reducing retrieval time by 30% and minimizing memory leaks.

CERTIFICATIONS

- Cloud Computing by Soumya Kanti Ghosh IIT Kharagpur (NPTEL) Oct 2024
- Getting Started with DevOps on AWS by Coursera Jul 2024
- Data Structure Algorithm by Board Infinity, improving for solving problem with efficiency. May 2024

ACHIEVEMENTS

- Part of a community development project focused on plantation and child education.
- Solved over 100 algorithm and data structure challenges on LeetCode, improving technical problem.
- Achieved 5-Star rating in C++ programming on HackerRank, demonstrating proficiency in problem-solving.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 8.24** Since August 2022
- **S.G.B.K Sahu Inter School** Warisaliganj, Nawada
Intermediate; **Percentage: 82%** April 2020 - March 2022
- **S.G.B.K Sahu Inter School** Warisaliganj, Nawada
Matriculation; **Percentage: 69%** April 2018 - March 2020