

SANJAI KUMAR S

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EDUCATION

KG College of Arts and Science

Bachelor of Science in Computer Science 8 / 10 CGPA

- **Activites:** Chess, Basketball

Coimbatore, Tamil Nadu

Feb 2020 – May 2023

WORK EXPERIENCE

Nunnari Labs

Software Developer Intern

Coimbatore, TamilNadu

May 2023 – Present

- Implemented RESTful APIs to facilitate data exchange and integration with third-party services, contributing to improved overall system functionality.
- Utilized MongoDB for efficient data management, implementing optimized database queries to enhance system performance.
- Addressed performance bottlenecks in the backend, resulting in a 20% improvement in system response time.

PROJECTS

Live Chat

- Developed a robust WebSocket server using Node.js to facilitate instant communication between users in a real-time chat environment.
- Utilized WebSocket protocols to establish persistent connections, allowing users to send and receive messages instantly without the need for constant page refreshing.
- Utilized efficient data structures and algorithms to handle concurrent connections, ensuring optimal performance and minimal latency.

Youtube Backend Clone

- Successfully reimaged and implemented a comprehensive YouTube backend clone with a focus on scalability, user authentication, and video processing.
- Engineered user authentication features to ensure secure access to the platform, allowing users to create accounts, log in securely, and manage their profiles.
- Implemented video compression algorithms to reduce bandwidth consumption, optimizing the streaming experience for users with varying internet speeds.

LeetCode Tracker

- Developed a dynamic LeetCode tracker web application using Node.js for the backend and HTML/CSS for the frontend, enabling our friends' group to monitor and share progress in solving coding problems.
- Integrated the LeetCode API to fetch and display real-time information on completed problems, submission history, and overall performance for each group member.

SKILLS, LANGUAGES, INTERESTS

- **Languages:** Tamil (Native speaker), English (Conversant)
- **Programming:** C, Java, Python, Javascript, SQL, PostgreSQL, HTML, CSS
- **Tools:** Git, Docker
- **Web Development:** React, Tailwind CSS, Node.js, FastAPI, Flask
- **Soft Skills:** Public Speaking, Communication, Critical Thinking, Leadership, Persuasive Writing, Technical Writing
- **Interests:** Recreational Mathematics, Reading Non-fiction, Classical and Original Soundtrack Music