Rajeev Lochan

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SUMMARY

CSE undergraduate passionate about building efficient, secure, and scalable systems through optimized algorithms and clean software design. more About me.

PROJECTS

New tube   Github link

Engineered a scalable video streaming system with adaptive bit-rate delivery and secure tokenized access. Automated multi-resolution transcoding via **FFmpeg** and integrated **hls.js** for dynamic client-side playback, emulating YouTube-like streaming efficiency.

Advantage   GitHub link

Developed a platform for college students to buy/sell second-hand items using Node.js, Express.js, and MongoDB with **JWT** authentication, search/filter features, and an **MVC** architecture for scalability.

More projects in portifolio projects section

EDUCATION

2023 - 2027   Bachelor's Degree with Honors at **IIIT Sricity**   (GPA: 9.2/10.0)

EXPERIENCE

Lead – Gradient (Programming Club)   *Aug 2025 – Aug 2026*

Organized and led Data Structures and Algorithms (DSA) programming contests to promote problem-solving and coding culture on campus.

INTERESTS

Interested in building optimized, scalable software systems with strong foundations in algorithms and backend development. Fascinated by Zero-Knowledge Proofs and their role in advancing digital trust and privacy-preserving technologies.

STRENGTHS

Can make scalable web application, mainly backend, with appropriate HLD, LLD, and database normalization as required based on the type of queries, Making trustless applications using ZKP's

SKILLS

NodeJS, HTML, CSS, MySQL, Mongo	Can implement a scalable full-stack website and can identify bottlenecks in scalability of the implementation
Networking, OS, DBMS, Blockchain	Consensus mechanisms and how to make the process more secure when adversaries exist