

# Rajeev Lochan

 Github |  Portfolio |  LeetCode |  rajeevlochanperla@gmail.com |  +91 9346310661

## SUMMARY

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

## PROJECTS

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### 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 about them in portfolio projects section](#)

## EDUCATION

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2023 - 2027 Bachelor's Degree with Honors at **IIIT Sricity**

(GPA: 9.2/10.0)

## EXPERIENCE

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### 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

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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

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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

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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