

MR NITHISH

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ABOUT ME

I am a final-year Computer Science student seeking opportunities as a software developer. I am eager to learn and apply my skills to solve real-world problems while growing in a dynamic technology environment. I have hands-on experience in both backend and frontend development, building projects that demonstrate my ability to design, implement, and maintain scalable applications

PROFESSIONAL EXPERIENCE

TAKEMYTICKETS – Software Developer Intern

Chennai, Tamil Nadu (Hybrid) | Feb 2025 – Apr 2025.

- Implemented a **daily 5 PM IST cron job** to delete emails concurrently using MongoDB transactions, ensuring **all-or-nothing consistency** between backend APIs and the database.
 - Implemented a **rate-limiting mechanism using a Sliding Window Counter** to prevent DoS attacks and API abuse, allowing controlled bursts while enforcing strict request limits.
 - Gained **practical exposure to Docker and Kubernetes**, learning container creation and basic orchestration concepts, and explored Redis for caching.
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PROJECTS

Asynchronous Email Job Queue System:

- Developed a **job queue system** with **BullMQ** and **Redis** to offload email sending tasks from the main API.
- Implemented **retry mechanisms, dead-letter queues**, and job progress tracking for reliability and fault tolerance.
- Integrated Bull Board **dashboard** and **metrics endpoints** for real-time monitoring of queue health and performance

Whiscript – Anonymous Reporting Platform (In Progress):

- Developing a secure, anonymous reporting platform for whistleblowers.
 - Built the **admin dashboard** using **React.js** and **Tailwind CSS** with responsive design..
 - Designed a **RESTful API backend** using **Express.js** and **MongoDB** for secure data management.
 - Applied **AES-256 encryption** and **cryptographic hashing** to maintain data confidentiality and integrity.
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SKILLS

Frontend: React.js, JavaScript, Tailwind CSS

Backend: Node.js, Java

Database: PostgreSQL

Tools & Platforms: Docker, Kubernetes

EDUCATION

Bachelor of Engineering (B.E.), Computer Science and Engineering
Sri Venkateswara College of Engineering,

Sep 2022 – May 2026
CGPA: 8.175