

# NRUSIMHA SRI GANESH K

[sriganesh.kollimarla@gmail.com](mailto:sriganesh.kollimarla@gmail.com) • [6303798641](https://leetcode.com/6303798641/) • [Leetcode](#) • [Codechef](#) • [Github](#) • [Linkedin](#)

FULL-STACK DEVELOPER WITH HANDS-ON EXPERIENCE DELIVERING SCALABLE SYSTEMS USING REACT, NODE.JS, AND AWS LAMBDA. SPECIALIZED IN BUILDING SERVERLESS BACKENDS, REST APIs, AND REAL-TIME APPLICATIONS WITH OPTIMIZED PERFORMANCE. EXPERIENCED IN DATABASE DESIGN WITH POSTGRESQL, MONGODB, AND DYNAMODB. DELIVERED SOLUTIONS HANDLING OVER 7,000 API REQUESTS/DAY WITH SUB-2S LATENCY AND ZERO DOWNTIME.

## PROJECT EXPERIENCE

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### **FITBILL** | React Native, Express.js, Prisma,SQL,AWS Lambda

- Engineered a **cross-platform Gym Management System** for 100+ active users, supporting **real-time member tracking, attendance, and financial analytics**.
- Developed **automated alert systems**, daily **check-in/out logs**, and an **intuitive dashboard** to streamline operations.
- Architected a **cost-efficient backend** on AWS Lambda using **Express.js** and **Prisma**, cutting infrastructure costs by **90%**.
- Delivered a **responsive mobile app** with **low-latency performance**, enabling seamless workflows

### **STUDENT ATTENDANCE TRACKING SYSTEM** | AWS Lambda, Express,WebSocket,DynamoDB

- Built a **serverless backend** handling **3,000+ daily users** and **7,000+ API requests** with **zero downtime**.
- Utilized **BeautifulSoup** for efficient **HTML parsing**, managing **5,000+ data points** per day.
- Optimized **serverless architecture**, scaling **7,000+ requests/day** with **zero operational cost**.
- Achieved **1.5–2s response times**, ensuring **real-time data updates** and **high scalability**.

### **LEARN-SPHERE – Curated Learning Platform** | Next.js, Prisma, Google Gemini API

- Developed an **interactive learning portal** enabling users to **organize and personalize courses**.
- Implemented **AI-generated flashcards, summaries, and quizzes** using **Google Gemini API**.
- Optimized content retrieval with a **scalable Next.js backend**, delivering a **fast and responsive** experience.

## EDUCATION

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VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING (CSE) | 2022–2026

CGPA: 8.15

KENDRIYA VIDYALAYA No -2 SVN (10+2) | Completed: 2022

## ACHIEVEMENTS & LEADERSHIP

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- **Winner** – IWD Hackathon by **Google Developer Group Vizag**
- **4\* Coder** on **CodeChef** ,Solved **600+** DSA problems across platforms like **LeetCode** and **CodeChef**,CSES
- **CodeChef Student Chapter & GDG CP Lead** – Led competitive programming events and workshops, fostering skill development and collaboration.
- **National Handball Goalkeeper** – Kendriya Vidyalaya
- **INMO Regionalist** – 2019 National & Indian National Mathematics Olympiad

## SKILLS

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**Frontend:** React Native, React.js, Next.js, HTML, CSS, Tailwind, EJS

**Backend & APIs:** Node.js, Express.js, RESTful APIs, WebSockets

**Languages:** Python, JavaScript, TypeScript, C++

**Databases:** SQL, PostgreSQL, MongoDB, DynamoDB, Prisma

**Cloud & DevOps:** AWS Lambda, Git, CI/CD, S3

**Tools & Libraries:** BeautifulSoup, Google Gemini API

**Core CS Concepts:** Data Structures, Algorithms, OOP, Operating Systems