

# Parisa Gunasekhar

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## EDUCATION

Degree	Specialization	Institute	Year	Score
B.Tech	Computer Science & Engineering	LBRCE Mylavaram	Expected 2026	81.3 %
Intermediate	Maths, Physics & Chemistry	Narayana Jr. College	2020-2022	96.8 %
SSC	-	Vivekananda School	2020	95 %

## Professional Headline

Software Developer with expertise in Full-stack development and cross-platform mobile applications.

## INTERNSHIPS

- **Software developer Intern** | *Leantech Labs Pvt. Ltd.* | *Jan 2025 - Sep 2025*
  - Engineered and expanded a **Vendor Management REST API** using ExpressJS to automate client onboarding, user license tracking, and institutional MOUs for Skelo (LMS Portal).
  - Authored and integrated over 150 original **Data Structures & Algorithms** (DSA) questions and MCQs into the Skelo, significantly enriching the platform's technical content library.
  - Enhanced **UI/UX** by refactoring frontend components with **TailwindCSS**, ensuring a fully responsive design across all devices and improving overall code maintainability and performance.

## PROJECTS

- **EvalX - An Online Code execution engine** | Rust, Isolate, Docker
  - Engineered a **distributed, low-latency** code evaluation engine in **Rust**, processing **120+ concurrent test cases/sec** via an asynchronous, scalable architecture.
  - Deployed the engine on **AWS** using **Docker** and **Redis**, ensuring a secure and isolated environment for code execution.
- **PatrolX** | React Native, TypeScript, PostgreSQL, Prisma
  - Architected a **patrol monitoring** application in **React Native** using real-time GPS, geofencing, and mandatory checkpoints. Implemented multi-tier **Role-Based Access Control** for secure, hierarchical user management.
  - Developed a **real-time admin dashboard** for live workforce tracking and performance analytics. Built an end-to-end **incident management workflow** with photo uploads, priority flagging, and issue escalation capabilities.
- **SyncStream - Social Audio Streaming Platform** | TypeScript, Node.js, WebSockets
  - Developed a full-stack streaming application using **TypeScript** and **Node.js**, featuring a robust Admin dashboard for managing albums and processing media uploads via **Cloudinary** and **MongoDB**.
  - Engineered real-time social features using **WebSockets**, enabling instant user-to-user chat and live "Friend Activity" status to synchronize listening experiences across clients.

## Technical Skills

- **Languages:** Java, Python, JavaScript, TypeScript, Rust, C
- **Backend & Frameworks:** NodeJS, ExpressJS, Spring Boot, React, React Native, NextJS
- **Databases & Tools:** MongoDB, PostgreSQL, SQL, Docker, AWS, Kafka, Redis, Postman, Git
- **Concepts & Architectures:** System Design, Microservices, REST APIs, WebSockets

## Certifications

- AWS Cloud Practitioner - AWS
- TECH A MERN STACK Certification - Infosys SpringBoard
- Career Essentials of Generative AI - Microsoft & LinkedIn

## ACHIEVEMENTS

- Won **1st Prize** at the Siddartha Academy of Higher Education's Innovation Day competition for the **EvalX** project.
- Won **1st prize** in VR Siddartha International Hackathon, competing in the **Code Geeks** track.
- Won **1st prize** in HackIT conducted in our college in the domain of **WEB DEVELOPMENT**.
- Won **2nd Prize** in MERN Stack Hackathon (Team Lead).
- Awarded with **100 Days , 50 Days** badges in Leetcode for consistent performance.