

Pardha Saradhi Peetha

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Education

SRKR Engineering College

Bachelor of Technology in Computer Science and Engineering

2023 – 2027

CGPA: 9.30 / 10

Technical Skills

Languages	Java, JavaScript, SQL
Frontend	React.js, Vite, Tailwind CSS, HTML, CSS
Backend	Node.js, Express.js, REST APIs, JWT Authentication
Databases	PostgreSQL, MongoDB, Redis
Developer Tools	Git, GitHub, Linux, Docker, Postman
Core Skills	Data Structures & Algorithms, Problem Solving, Object-Oriented Programming (OOP)

Projects

CarePulse — Doctor Appointment Booking Platform

carepulse.kishorkumar.app

Tech Stack: React.js, Node.js, Express.js, MongoDB, Redis

- Developed a full-stack doctor appointment booking platform with JWT authentication, timezone-aware scheduling, and role-based access for patients and doctors.
- Implemented Redis caching to reduce repeated MongoDB queries by 90%, improving application response time.
- Optimized appointment lookup performance by 70% using efficient Redis cache updates and database query optimization.
- Strengthened API security by implementing server-side validation, centralized error handling, and secure request processing.

Distributed API Rate Limiter

api-rate-limiter.pardhasaradhi.tech

Tech Stack: React.js, Vite, Node.js, Express.js, Redis, MongoDB, Docker

- Developed a distributed API rate limiter with a real-time monitoring dashboard for tracking request traffic and system activity.
- Implemented the Token Bucket algorithm using Redis to efficiently control API request rates under high traffic.
- Built a secure API key management system with cryptographic hashing for key generation, validation, and access control.
- Created reusable React hooks and real-time dashboards for monitoring API usage and rate-limiting activity.

DualNote — Encrypted Content Sharing System

dualnote.pardhasaradhi.tech

Tech Stack: React.js, Vite, Node.js, Express.js, MongoDB, Docker

- Developed an end-to-end encrypted content sharing platform with secure data handling and privacy-focused architecture.
- Implemented temporary sharing with unique access codes and automatic data deletion after three hours, along with permanent encrypted storage for authenticated users.
- Integrated browser-based PDF generation to enable seamless offline access and secure document sharing.
- Configured secure CORS policies and backend security controls to protect application data and cross-origin communication.

Experience

Web Full-Stack Developer Virtual Intern

10 Weeks

EduSkills Academy — AICTE Virtual Internship

Remote

- Completed a 10-week MERN stack internship covering full-stack web development.
- Built user interfaces using React.js and integrated them with backend APIs.
- Developed REST APIs, designed MongoDB databases, and used Git/GitHub for version control.

Achievements

- **Data Structures & Algorithms:** Solved 250+ DSA problems across LeetCode (148) and GeeksforGeeks (103).

Certifications

- **Web Full Stack Developer (Cohort 12)** — EduSkills Certification
- **Programming in Java** — NPTEL Certification