

Priya Poosaala

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[LinkedIn](#) — [GitHub](#) — [LeetCode](#)



EDUCATION

SR University, Warangal

B.Tech – Computer Science Engineering — CGPA: 9.5/10.0

Oct 2022 – May 2026

Warangal, Telangana

• **Relevant Courses:** Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks, Software Engineering

Technical Skills

Languages: Python, Java, C, JavaScript, SQL

Frontend Development: HTML, CSS, React.js, REST APIs

Backend Development: Node.js, Express.js

Databases: MySQL, MongoDB

Tools: Git, GitHub, Visual Studio Code

Core Concepts: Object-Oriented Programming, Software Engineering, Data Structures

PROJECTS

Real-Time File Sharing Chat Application

React, Node.js, Socket.IO

[GitHub Repository](#)

- Developed a real-time chat application using React for frontend and Node.js with Express for backend API services supporting 50+ concurrent users
- Implemented bidirectional, event-driven communication using Socket.IO reducing message latency to under 100ms
- Designed modular architecture with 15+ reusable components separating client-side UI, server-side routing, and WebSocket handlers
- Integrated 5 key features including private messaging, online user status tracking, and real-time typing indicators
- Achieved near-instant message and file delivery with over 98% delivery success rate across 200+ text messages

SecureChatGUI

Python, Encryption, Socket Programming

[GitHub Repository](#)

- Built secure messaging application with 256-bit encryption supporting 10+ concurrent users
- Designed user interface with real-time messaging and authentication system, reducing login time by 40%
- Applied socket programming achieving 99% message delivery success rate

Employee Management System

Python, JSON, Authentication

[GitHub Repository](#)

- Developed console-based employee management application with role-based authentication for admin/user access levels
- Implemented full CRUD operations with JSON file storage, auto-generated unique employee IDs, and data persistence
- Built modular architecture with separate classes for employee data handling, file operations, and CLI interface
- Integrated input validation and confirmation prompts for critical operations ensuring data integrity and user experience

ACHIEVEMENTS

- **"Indoor Air Quality and Environment Management System"** – Published, May 2025 — Contributed as part of the patent team [Verify](#)
- Maintained consistent 8+ CGPA demonstrating strong academic performance in computer science fundamentals

CERTIFICATIONS

- NPTEL – Theory of Computation (Algorithms, Automata Theory, Computational Complexity) [Verify](#)
- Python Essentials 1 — Cisco Networking Academy (Issued June 20, 2025) [Verify](#)
- Microsoft Certified Azure AI Fundamentals (AI-900) [Verify](#)