

Purna Saradhi Chinthapalli

LinkedIn : www.linkedin.com/in/purna-chinthapalli18122003/

GitHub : <https://github.com/PurnaSaradhi18>

Email : chinthapallipurna@gmail.com

Mobile : +91 9063457443

TECHNICAL SKILLS

- **Languages** : C++, Python, Java, JavaScript
- **Frameworks** : HTML, CSS, React.js, Node.js, Express.js, ShadCN, Bootstrap, TailwindCSS
- **Tools/Platforms** : MySQL, MongoDB
- **Soft Skills** : Problem-solving, Team Player, Project Management, Adaptability, Consistency

TRAINING

- **Board Infinity | Intern - Data Structures and Algorithms** June – Aug 2024
 - Developed a **Learning Management System (LMS)** using **C++** and **DSA**, improving data retrieval efficiency by 40% through optimized search and indexing algorithms.
 - Enhanced time complexity of key operations by implementing efficient data structures, reducing query execution time by 50%.
 - Solved 100+ complex problems on arrays, linked lists, stacks, queues, trees, graphs, and dynamic programming, improving problem-solving efficiency.
 - Enhanced problem-solving skills through competitive coding challenges and algorithmic optimizations.

PROJECTS

- **Project & Task Management System** | *ReactJs* | *NodeJs* | *MongoDB* June - Sep 2024
 - Expanded a Task Management System using React, Node.js, and MongoDB, enabling seamless team collaboration & task tracking.
 - Integrated real-time WebSockets for instant task updates & notifications, reducing communication lag by 80%.
 - Optimized API performance using indexed queries, reducing task retrieval time from 500ms to 120ms.
 - Deployed the application on Vercel (frontend) & AWS/Render (backend), ensuring 99.9% uptime for users.
- **Library Management System** | *Data Structures and Algorithms* June - July 2024
 - Improved a high-performance LMS in C++ using linked lists, hash tables, and BSTs for optimized book management.
 - Implemented efficient book lending, returns, and user tracking with priority queues for streamlined request handling.
 - Built a responsive UI with HTML, CSS, JavaScript, and ReactJS for an intuitive user experience.
 - Integrated Node.js backend with Express to manage API requests and facilitate seamless frontend-backend communication.

CERTIFICATIONS

- Hands-on Experience with C++ and certified | Coursera. | 15 hours. Feb – Mar 2024
- Certified in ReactJs and NodeJs | CCBP Academy | 50+ hours. Feb – May 2024
- 100 days of Code: The complete C++ boot camp for 2024. Aug – Nov 2024
- Certified in Cloud Computing by NPTEL with 85%. Aug – Dec 2024
- Mastering Data Structures and Algorithms using C++. June – Aug 2024

ACHIEVEMENTS

- **Bhumi Org - Local NGO:** Serving hands to society
 - Volunteered at Bhumi Org, 110 hours to social initiatives, including community service and fundraising.
- **Secured 12th rank in the Hackathon:** HACKOVERFLOW 5.0, organized by GFG.
 - competing against top 50+ innovators.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology in Computer Science and Engineering: CGPA: 7.5 Since 2022 - 2026
- **Narayana Junior College** Gudivada, Andhra Pradesh
Board of Intermediate Education : Percentage: 82% 2020 - 2022
- **Viswabharati E.M High School** Gudivada, Andhra Pradesh
Board of Secondary Education : CGPA: 100% 2016 - 2020