

Lakshmi Prasanna

Aspiring Software Engineer | DSA (300+ problems) | Java , C++ | Full Stack Developer

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Professional Summary

Detail-oriented **Computer Science undergraduate (B.Tech, expected 2027)** with a strong foundation in **Data Structures, Algorithms, and Object-Oriented Programming**. Proficient in **Java and C++** with hands-on experience solving **300+ DSA problems** across LeetCode and GeeksforGeeks. Experienced in **full-stack development** and building scalable applications using **React.js and Node.js**. Strong **analytical and problem-solving skills** with the ability to **interpret data, diagnose issues, and deliver effective solutions**. A **self-driven and highly motivated** individual with **excellent communication and interpersonal skills**, eager to contribute in **fast-paced, c.**

Technical Skills

Programming Languages: Java, C++, Python

Core CS Concepts: Data Structures, Algorithms, Object-Oriented Programming, Problem Solving

Web Development: HTML5, CSS3, JavaScript (ES6), React.js, Node.js

Databases: MySQL, PostgreSQL, MongoDB, Firebase

Tools & Technologies: Git, GitHub, REST APIs, Docker, VS Code

Key Projects

LUMIX – AI-Powered Development Tools | HTML, CSS, JavaScript, Node.js, REST API | Demo Link

- Built an **AI-powered development platform** leveraging **JavaScript** and **Node.js**, improving developer productivity by 25 percent through automated code insights and **intelligent recommendations**.
- Designed and optimized an **intelligent search** feature using **JavaScript** and **Node.js**, improving data retrieval efficiency and enhancing user navigation..

LLM-Powered Intent Router | Node.js, Express, LLM (Groq), REST API | Live Demo

- Built an **LLM-powered intent classification** and routing system using a two-stage pipeline with confidence-based decision logic.
- Developed scalable **REST APIs** with **Node.js** and **Express** to enable real-time query handling and dynamic routing to AI personas.

Work Experience

Full Stack Developer Intern, Technical Hub

Jun 2024 - Present

- Engineered and deployed 3+ **full-stack** applications using **React Native**, enhancing mobile platform functionality.
- Implemented **agile methodologies** and version control (**Git**) throughout the **SDLC**, from testing to deployment.
- Identified and **resolved performance bottlenecks** by analyzing system behavior and implementing optimized solutions.

Programming Achievements

- **LeetCode - Profile** | Solved **150+** problems in Data Structures and Algorithms.
- **GeeksforGeeks - Profile** | Solved **150+** DSA challenges, building hands-on expertise.
- **Codeforces - Profile** | Completed **50+** challenges in Data Structures and Algorithms.
- **HackerRank - Profile** | Achieved **Golden (C)** and **Silver (Java, Python)** badges for language proficiency.

Education

Bachelor of Technology in Computer Science and Engineering (Data Science)
Aditya College of Engineering and Technology | **CGPA: 8.08**

Sep 2023 - May 2027
(Expected)

Intermediate [MPC]: Sri Chaitanya Junior College | **Percentage: 82%**

High School : Bhashyam Educational Institutions | **CGPA: 10/10**

Certifications

- **Cisco Networking Academy: Python** Essentials, **C** Programming, Intro to **Data science**, **OS** Basics, **HTML** Essentials, **CSS** Essentials, **JavaScript** Essentials 1, JavaScript Essentials 2.
- **NPTEL Certified:** The Joy of Computing Using Python, **DSA** Using Java.
- **Oracle Academy Certified:** Java Foundation, Java Programming, **Java** Foundations Associate.
- **Red Hat Academy Certified:** Intro to **Python** Programming.
- **IT Specialist Certified: Html and Css.**

Core Competencies

- **Strong problem-solving and analytical thinking**
- **Data analysis and trend interpretation**
- **Debugging and root cause analysis**
- **Effective communication and teamwork**
- **Attention to detail and structured decision-making**
- **Ability to work in fast-paced environments**