






# Lalith Ganesh Challa

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## Professional Summary

Results-driven Full-Stack Developer skilled in Java, JavaScript, and .NET Core, with proven experience building responsive web and mobile applications using React, Flutter, and Node.js. Demonstrated success in deploying scalable solutions serving 200+ users. Strong foundation in database management, REST API development, and agile methodologies. Seeking to deliver innovative, user-focused solutions in a collaborative team environment.

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## Technical Skills

- Programming Languages: Java, JavaScript, TypeScript, C# (.NET Core), Dart
- Frontend Technologies: React, Flutter, HTML5, CSS3, Bootstrap
- Backend Technologies: Node.js, Express.js, .NET Core, REST APIs
- Databases: MySQL, Firebase, MongoDB
- Tools & Platforms: Git, GitHub, Postman, Vercel, VS Code

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## Projects

### MasterCode – Hackathon Platform

- Engineered a full-stack hackathon platform using the MERN stack, featuring real-time coding challenges and dynamic leaderboards.
- Implemented secure user authentication and session management for 200+ registered developers, facilitating 500+ code submissions.
- Deployed on Vercel, ensuring high availability and performance during competitive events.
- Tech: React, Node.js, Express, MongoDB, Vercel
- Live: [MasterCode](#)

### Secure Personal Health Record System

- Developed a healthcare data management system using Ciphertext-Policy Attribute-Based Encryption (CP-ABE) to enforce fine-grained access control.
- Designed a secure database schema for encrypted patient records, ensuring compliance with HIPAA standards.
- Enhanced data confidentiality for sensitive medical information through robust encryption techniques.
- Tech: Java, Encryption Algorithms, MySQL

### AI PromptHub – Community Platform

- Built a responsive community-driven platform for discovering and sharing AI prompts, featuring upvoting and categorization.
- Increased user engagement by 40% through social features like favorites and user profiles.
- Curated a collaborative library of 100+ prompts across various AI domains.
- Tech: React, JavaScript, Vercel
- Live: [Generative AI Prompts](#)

### TaskFlow – Productivity Application

- Developed an intuitive task management app with drag-and-drop functionality and local storage persistence.
- Improved user productivity by 30% through an optimized UI and seamless task tracking.
- Tech: React, JavaScript, CSS, Vercel
- Live: [Task Manager \(TO-DO Task\)](#)

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## Education

### Master of Computer Applications (MCA)

D.N.R College of P.G. Courses, Adikavi Nannaya University | Bhimavaram, AP | 2022 – 2024

CGPA: 8.33

### Bachelor of Computer Science

Sri YN College, Adikavi Nannaya University | Narsapuram, AP | 2019 – 2022

CGPA: 6.77

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## Certifications

- Accenture Developer Job Simulation – Forage | Dec 2023
- Web Development Certificate – Devtown | Jun 2023
- Git & GitHub – Coursera | Aug 2024

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## Leadership

- Physics Cluster Team Lead: Organized study groups for 30+ students, achieving a 15% average grade improvement.
- Community Engagement: Actively participated in blood donation drives and institutional events.