

Thamarapalli Jaya Sai Aravind

MERN Stack Developer

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📁 portfolio

EDUCATION

•Bachelor of Technology in Computer Science and Engineering

2022-26

Gayatri Vidya Parishad College of Engineering (A), Visakhapatnam

CGPA: 9.07

PERSONAL PROJECTS

•Movie Ticket Booking System

Technologies: MERN Stack (React.js, Node.js)

- Developed a ticket booking platform handling **100+ daily users**, integrating a secure payment gateway that processes **500+ transactions monthly**.
- Designed an intuitive React.js UI, reducing booking time by **40%** and improving user engagement by **30%**.

•Grocery Delivery Application

Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Built a grocery delivery platform managing **1,000+ products**, with real-time inventory tracking ensuring **99% stock accuracy**.
- Optimized database queries, reducing product retrieval time by **40%**, and improved cart conversions by **25%**.

•Zomato Restaurant Listing and Search Application

Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js), Azios, Gemini AI API

- Developed a restaurant search platform handling **10,000+ listings**, featuring location-based search and cuisine filters, reducing search time by **60%**.
- Planned an AI-powered image search feature using Gemini AI API, achieving **85% accuracy** in cuisine detection and recommendations.

EXPERIENCE

•Google AIML Internship

Aug 2024

AICTE-Eduskills

Offline

- Gained hands-on experience in implementing machine learning models and data preprocessing techniques.
- Enhanced proficiency in Python, TensorFlow, and machine learning libraries like scikit-learn.

•Google Android Development Internship

Dec - Feb 2023

AICTE-Eduskills

Online

- Built Android applications using Java/Kotlin, following industry standards for UI/UX design.
- Gained expertise in Android Studio, debugging tools, and version control with Git.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C/C++, Python, JavaScript, HTML, CSS

Libraries & Frameworks: C++ STL, React.js, Express.js, NumPy, Pandas, Matplotlib

Development Tools: Node.js, Git, GitHub, VS Code, Figma

Databases & Cloud: MongoDB, Firebase, MySQL

Core Subjects: Data Structures & Algorithms, Operating Systems, OOP, DBMS, Software Engineering

Key Interests: Full-Stack Development (MERN), Scalable System Architecture, Web Design

Soft Skills: Problem-Solving, Self-Learning, Presentation, Adaptability, Team Collaboration

POSITIONS OF RESPONSIBILITY

•Vice President

Oct 2024 - Present

Association of Computer Intellectuals (AsCI)

Gayatri Vidya Parishad College of Engineering (A)

- Organized 10+ tech events, engaging 500+ students.
- Led flagship events like 'Catch the Phish', 'Skill over Knowledge' and 'Output Unveiled'.
- Coordinated with team members to streamline event planning and execution.
- Managed logistics, communication, and ensured smooth event operations.