

Thamarapalli Jaya Sai Aravind

MERN Stack Developer

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EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** 2022-26
Gayatri Vidya Parishad College of Engineering (A), Visakhapatnam CGPA: 9.07
- **Intermediate (M.P.C)** 2020-22
Sri Chaitanya Junior College, Tenali CGPA: 9.38
- **Secondary School Education** 2020
Sharon E.M High School, Tenali CGPA: 9.8

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), Axios, 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** Association of Computer Intellects (AsCI) Oct 2024