

DESAMSETTY SRI AJAY

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Summary

Full Stack Developer with hands-on experience in building and deploying highly scalable web applications using the MERN stack. Developed AI-powered automation workflows with n8n, eliminating manual tasks through real-time email decision systems. Proficient in end-to-end development including secure authentication (JWT), cloud deployment (Vercel, Render), RESTful APIs, and Git version control.

Projects

TrendyCart | [Live Demo](#) | *MERN Stack, Tailwind CSS, JWT, Cloudinary* **Apr 2025 - May 2025**

- Developed a responsive full-stack e-commerce platform using the MERN stack with product listing, category filtering, cart, and JWT-based authentication and authorization.
- Implemented secure admin panel for managing products and viewing customer orders, with JWT authentication for admin access.
- Integrated Cloudinary for scalable image uploads and optimized storage; used MongoDB for NoSQL database management.
- Built RESTful APIs with Express.js and managed user flow and application state on the frontend using React.js, Tailwind CSS, and Git for version control.

Headlines-Hub | [Live Demo](#) | *MERN Stack, Tailwind CSS, RSS Feeds* **May 2025**

- Created a news aggregator that displays headlines by parsing RSS feeds from trusted sources.
- Added a Notes section with create, read, update, and delete (CRUD) functionality using MongoDB.
- Managed backend operations including feed parsing and notes handling with Node.js and Express.js.

AI-Powered Trail Run Assistant – AI Agent Workflow Automation in n8n [GitHub](#) **June 2025**

- Engineered an intelligent workflow in n8n using ScheduleTrigger, which monitors daily calendar events to determine if a trail run is planned, enabling time-aware autonomous decisions.
- Automated daily execution via n8n scheduler, processing trail attributes (distance/elevation/shade) against real-time Hyderabad weather to optimize recommendations.
- Deployed Gmail integration for proactive user notifications, reducing manual planning by 75% through weather-adaptive logic.

Technical Skills

Front-End: HTML5, CSS3, JavaScript, React.js, Tailwind CSS

Back-End: Node.js, Express.js, RESTful APIs

Databases: SQL, MongoDB

Languages: Java (OOP), Python

Automation Tools: n8n, LangChain, Google Cloud APIs

Version Control: Git

Certification / Achievements

- Completed **Introduction to Java Programming: Java Fundamental Concepts** by Coursera – [View Certificate](#)
- Completed **Generative AI Fundamentals** by Google Cloud on Coursera – [View Certificate](#)
- Secured 2nd place in Python Technical Quiz at Neurosplash 2k24, Malla Reddy University (2024).

Education

Malla Reddy University **2021 - 2025**

B.Tech in Computer Science and Engineering; CGPA: 8.31

Hyderabad, Telangana

Sri Chaitanya Junior College **2019 - 2021**

Intermediate; 7.94%

Hyderabad, Telangana

Krushni High School **2018 - 2019**

SSC; CGPA: 8.7

Hyderabad, Telangana