

THALLAPUREDDY SOMASHAKER REDDY

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Professional Summary

Computer Science undergraduate with hands-on experience in MERN stack and AI-powered web applications. Skilled in React.js, Node.js, Express.js, MongoDB, REST APIs, and JWT authentication. Solved 300+ DSA problems on LeetCode with strong problem-solving skills.

Education

Samskruti College of Engineering	2022 – 2026
Bachelor of Technology (B.Tech) in Computer Science Engineering	
Sri Chaitanya Junior College	2020 – 2022
Intermediate (MPC)	
ZPHS Mamunuru	2020
Secondary School Certificate (SSC)	

Projects

PicToCaption AI-Powered Caption Generator 2025

Full Stack Web Application

- Built a full-stack application that generates social-media-ready captions from uploaded images using AI
- Implemented secure user authentication using JWT and protected REST APIs
- Designed image upload and processing workflow integrated with AI services
- Developed a responsive React frontend with efficient backend communication

Technologies: React.js, Node.js, Express.js, MongoDB, JWT, AI APIs

Virtual Assistant MERN Stack & Generative AI 2025

Generative AI Web Application

- Developed a full-stack virtual assistant capable of generating intelligent, context-aware responses
- Integrated Google Gemini API to enable conversational AI functionality
- Used Cloudinary for secure image and file uploads
- Built RESTful APIs and a responsive React-based user interface

Technologies: MongoDB, Express.js, React.js, Node.js, Google Gemini API, Cloudinary

Smart Expense Tracker Website 2024

MERN Stack Application

- Developed a full-stack expense tracking application for personal finance management
- Implemented secure user authentication and authorization using JWT
- Enabled expense categorization and spending analysis with visual dashboards
- Designed responsive UI components for tracking financial summaries

Technologies: MongoDB, Express.js, React.js, Node.js, JWT, REST APIs

Technical Skills

Languages: Python, JavaScript, Java

Frontend: React.js, HTML, CSS

Backend: Node.js, Express.js

Databases: MongoDB, MySQL

Tools: Git, GitHub, Postman

Achievements

- Secured **2nd Prize** in a college-level Hackathon
- Solved **300+ Data Structures and Algorithms problems** on LeetCode

Certifications

Node.js & Express.js Simplilearn: REST APIs and backend fundamentals

Java Programming Scaler: Fundamentals of Java and object-oriented programming

Python Programming freeCodeCamp: Python basics and problem solving