

Karuturi Tanishka

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🌐 [Karuturi Tanishka](#) 🔄 [TanishkaKaruturi](#)

Objective

Motivated Computer Science undergraduate passionate about building scalable full-stack applications and cloud solutions. Seeking internship opportunities to apply expertise in **MERN stack development, DevOps practices, and software engineering** to create impactful web applications. Eager to contribute to innovative projects in a collaborative, fast-paced environment.

Education

Vellore Institute of Technology AP B.Tech in Computer Science and Engineering – 8.66/10	2022 – 2026
Tirumala Junior College, Rajahmundry Class XII – 96.2%	2020 – 2022
Tirumala Proactive English Medium High School Class X – 100%	2019 – 2020

Technical Projects

CulinaryCorner - Full-Stack Recipe Sharing Platform

Express.js, React.js, Node.js, REST API, CRUD Operations

- Built a full-stack web application enabling users to explore, create, edit, and delete recipes
- Implemented efficient CRUD operations with a secure backend using Express.js and Node.js
- Designed responsive frontend with React.js for intuitive user experience and deployed on Vercel

Advanced CI/CD Pipeline with AI Analysis

Jenkins, SonarQube, Python, MongoDB, Gemini API, Docker, Git

- Engineered end-to-end CI/CD pipeline automating code quality analysis, testing, and stakeholder reporting
- Integrated SonarQube for static analysis and MongoDB for metrics tracking with automated email reporting
- Leveraged Gemini AI API for intelligent code improvement suggestions, reducing manual review by 70%

Bookstore Management System

Python, MySQL, Database Management, CRUD Operations

- Built CLI-based application with secure authentication and real-time CRUD operations
- Designed MySQL database schema with error handling and validation for data consistency
- Streamlined inventory management and sales operations through system optimization

Technical Skills

- **Full Stack Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js, REST APIs
- **Programming Languages:** Java, Python
- **Databases:** MySQL
- **Concepts:** Data Structures & Algorithms, Object-Oriented Programming, DBMS, Software Engineering
- **Soft Skills:** Problem Solving, Team Collaboration, Technical Communication, Leadership

Certifications & Achievements

• AWS Certified Cloud Practitioner	2024
• AWS Solutions Architect	2024
• CS50's Introduction to Programming Using Python – Harvard University	2023