

TANESH S. ASHAN

📍 Nashik, Maharashtra

📞 +91-9067519449

✉️ taneshsanjay.a22@iits.in

LinkedIn

GitHub

🌐 Portfolio

EDUCATION

Indian Institute of Information Technology, Sri City (IIIT Sri City)
Bachelor of Technology in Computer Science (CSE)

November 2022 - December 2026
GPA: 7.86

SKILLS

Languages : C, C++, Java, Python, JavaScript

Frameworks: Django, Flask, React, Node.js, Express.js

Concepts : Algorithms, Data Structures, OOP, Software Design Principles, Microservices

Tools : Git, Docker, FastAPI, LangChain, LangGraph, Power BI, VS Code, Agile Practices

WORK EXPERIENCE

AI4Bharat, IIT Madras 🚀
Software Developer (Remote)

June 2025 – September 2025

- Designed and implemented reporting and monitoring features with interactive visualizations reducing incident response time by 35% and enabling faster decision-making for 10+ active research tasks.
- Optimized backend pipelines by standardizing CSV formats and refining task-time calculations, cutting processing errors by 10% and ensuring accurate analytics across 1,000+ tasks.
- Streamlined user experience and system stability in Chitralekha by enabling in-progress SRT downloads, validating task payloads, and resolving bottlenecks in VO/VOTR processing.

Bosch India, Maharashtra : 🚗
Web Development Intern

May 2024 – August 2024

- Developed a full-stack Intern Management System (Django) with secure authentication, automated notifications, and analytics dashboards, cutting onboarding time by 50%.
- Improved reporting workflows by adding Excel-based data exports, visualizations, and efficient queries queries, reducing reporting time by 25% and enhancing cross-team accessibility.

PROJECTS

QuikLearn 💡

React, Node.js, Express.js, MongoDB

- Built a scalable e-learning platform using the MERN stack with secure user authentication, role-based access control, and real-time collaboration features.
- Crafted modular React components and RESTful APIs to ensure clean architecture, code reusability, and seamless frontend-backend integration.
- Enhanced backend performance through caching and query tuning, reducing average response time by 25%, p99 latency by 62.5%, and boosting session efficiency by 47%.

Generate-Awesome 💡

Python, Flask, React, TypeScript, LangChain

- Engineered an AI-powered project generator leveraging multi-agent workflows to automatically convert natural language prompts into complete web projects.
- Created a modern React frontend with live code editing, Monaco editor integration, real-time status tracking, and a Flask backend with asynchronous generation and file management APIs.

PUBLICATIONS

Performance Analysis of Weighted Victim Cache Replacement Policy : 📈

ICCCNT 2025

16th International Conference on Computing, Communication and Networking Technologies (Paper ID: 8957)

- Proposed and implemented **WVCRP** in **ChampSim** (C++) to improve LLC performance.
- Designed a compact 1-byte metadata structure, achieving efficiency gains over LRU.

CERTIFICATIONS

- Generative AI Model, NXT Wave

- Website Development, Mayur i Technologies