Atharva Ramesh Dasewar

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Education

Vellore Institute of Technology Sept 2022 – May 2026

Bachelors of Technology - Computer Science and Engineering

Skills

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

Technical Tools**:**AWS (S3, Lambda, EC2, DynamoDB), Docker, Git, Github, Linux

Frameworks and Libraries**:** React.js, Node.js, Express.js

Databases**:** MongoDB, MySQL

Projects

Cloud-Based Bookstore and Library, June 2023 – Sep 2023

Designed and developed a scalable, cost-efficient digital platform for online book purchasing and borrowing, addressing the gap in centralized library access for students and readers.Built a full-stack application using React.js, Node.js, and MongoDB, and integrated AWS services (S3, Lambda, DynamoDB) for secure authentication, cloud storage, and serverless deployment, ensuring the platform could handle increasing user demand with minimal infrastructure cost. Achieved 2,000+ transactions in the first month of launch, reduced hosting expenses by 40 percent and enhanced system reliability and scalability, deepened expertise in cloud deployment, serverless architecture, and secure platform design.

Voyage Vista – Travel Planning Website, June 2024 – Sep 2024

Created a community-driven travel planning platform that provided personalized trip recommendations, helping users overcome fragmented and unreliable planning resources.Implemented the platform using React, Node.js, Express, and MongoDB, with Google Maps API integration for real-time interactive route planning. Optimized backend queries and improved data handling to support faster response times. Delivered a reliable and user-friendly product that improved search speeds by 30 percent and boosted user engagement by 18 percent. Gained practical skills in UI/UX design, performance optimization, and collaborative development.

AI Agent for Code Evaluation and Report Generation, March 2025 – Jun 2025

Built an AI-powered educational tool to automate code assignment evaluation, addressing teacher pain points such as time-consuming manual grading and inconsistent feedback.Developed the platform using Node.js, Express.js, and React.js, while integrating large language models (Google Gemini, Ollama) to perform contextual code analysis, generate detailed reports, and recommend improvements. Designed a cost-optimized cloud workflow balancing scalability and resource efficiency.Automated the grading process, reducing teacher evaluation time by 70 percent, improving grading fairness and consistency, and providing data-driven insights into student performance. Strengthened knowledge of AI integration, cloud infrastructure, and education-focused automation.

Additional

Certifications

DevOps, Agile and Design Thinking by IBM

MERN full stack developer Certification by MongoDB