Trinay Reddy Malireddy

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EDUCATION

KL University Vijayawada, IN
Bachelor of Technology in Computer Science, Honors *July 2022 – Present*

Jupiter Jr College Guntur, IN
+2 In MPC *Jan 2020 – May 2022*

CERTIFICATIONS

AWS Certified Cloud Practitioner Dec. 2023
Amazon Web Services

- Acquired foundational knowledge of AWS core services (EC2, S3, Lambda) to design and deploy scalable cloud solutions
- Applied best practices for cloud security and cost management, including AWS Identity and Access Management (IAM) and Billing Dashboard
- Designed a serverless architecture using AWS Lambda and API Gateway for real-time data processing and analytics

MongoDB Certified DBA May. 2024
MongoDB

- Optimized indexing strategies and implemented sharding techniques, improving query performance by 25% and enhancing distributed data retrieval in large-scale environments.
- Managed distributed MongoDB clusters, ensuring data replication and system performance for applications processing over 1 million transactions daily with 99.9% uptime.
- Performed critical database operations like backups, restores, and performance tuning, reducing system downtime by 30% and ensuring data integrity across multiple distributed nodes.

MongoDB Node.js Developer Associate May. 2024
MongoDB

- Developed and maintained efficient back-end applications using MongoDB, Node.js, and Express to handle large-scale NoSQL databases
- Optimized MongoDB schemas to reduce query response times by 40%, enhancing document storage for 1 million+ records in a large-scale NoSQL database.
- Implemented MongoDB aggregation framework and indexing techniques to improve query performance and data analytics in real-time applications.

PROJECTS

APSFC Finance Management System | *Java, JSP, Servlet, JBoss*

- Developed a financial management system modeled after APSFC using JSP and Servlets, resulting in a 25% reduction in system downtime by enhancing dynamic web content and business logic.
- Designed and managed a MySQL database handling 10,000+ financial transactions daily with 99% uptime, ensuring data integrity and optimized performance.
- Deployed the application on Red Hat JBoss Server, achieving a 40% increase in transaction throughput and ensuring a 99.9% uptime.

Learning Management System | *Node js, MongoDB, Express, ReactJs, Github*

- Developed a full-stack Learning Management System (LMS) using MongoDB, Express, React, and Node.js, which streamlined academic processes and improved user engagement by 35%, page load times by 50%.
- Implemented RESTful APIs, reducing data retrieval time by 30% and managing 5,000+ course materials and assignments across the platform.

TECHNICAL SKILLS

Skills: Problem Solving, Aptitude, Data Structures And Algorithms, Team-Worker, Software Design, Object Oriented
Languages: Java, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS, DSA, RHEL Linux
Frameworks: React, Spring, Spring Boot, Continuous Integration, Hibernate, REST Api
Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ IDEA, Eclipse, Amazon Web Services, PowerBI