

# Lokeshwar Reddy Gummireddy

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## Summary

Full-Stack Developer with expertise in React.js, Node.js, and AWS, specializing in scalable, user-centric web applications. Proven success in optimizing API performance by 30% and deploying cloud solutions achieving 99.9% uptime. AWS Certified, with advanced React skills and a commitment to collaborative development of innovative solutions for fast-paced engineering teams.

## Technical Skills

- **Frontend:** React.js, Redux, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs, PostgreSQL, JWT, OAuth, EJS, Server-Side Logic
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, CloudFront), Docker, GitHub Actions, CI/CD, Version Control (Git)
- **Tools:** Postman, VS Code, Axios, Render, Vercel
- **Practices:** Agile/Scrum, MVC Architecture, CRUD Operations, API Integration, AuthN/AuthZ, TDD Principles

## Work Experience

**Full Stack Developer (Graduate Assistant)** – IT Help Central, Texas Tech University | Sept 2023 – May 2025

- Developed & maintained internal web tools (JavaScript, HTML, CSS, PHP, SQL Server) streamlining IT support ticket management & resource allocation for 20+ staff, enhancing operational efficiency.
- Engineered reusable UI components & backend modules adopted across 5+ internal applications, cutting future development time by an estimated 15-20% & ensuring UI consistency.
- Automated critical data aggregation & reporting from multiple sources, saving ~10 hours of manual compilation weekly & improving data accuracy for departmental strategic decisions.
- Identified & resolved legacy database performance bottlenecks by optimizing complex SQL queries, achieving an average **25% improvement in data retrieval times** for key reports & dashboards.
- Actively contributed to Agile/Scrum team (sprint planning, stand-ups, reviews, retrospectives); utilized Git for version control & authored technical documentation, aiding team knowledge sharing.

## Projects

**E-Commerce Platform (Full-Stack)** | [Link](#) | Jan 2025 – Apr 2025

- Spearheaded end-to-end development of a feature-rich e-commerce platform (React.js, Node.js/Express.js, PostgreSQL, AWS EC2), demonstrating full-stack proficiency.
- Integrated secure JWT authentication, built an intuitive cart/checkout system, and launched real-time order tracking for 1,000+ daily active users, enhancing UX.
- Resolved critical API performance bottleneck via query optimization & efficient data handling, reducing average API latency by **30%** under load.
- Automated build, test, & deployment with GitHub Actions (CI/CD), reducing manual deployment efforts & accelerating feature delivery.

**Real-Time Blog App (Full-Stack)** | [GitHub](#) | Aug 2024 – Jan 2025

- Architected & built a secure, interactive blog with real-time content updates (live comments, post notifications) using React, Node.js, PostgreSQL, & Socket.io.
- Introduced robust security protocols (rate limiting, session authN) and achieved a 40% enhancement in app responsiveness via strategic caching.
- Deployed on Vercel/Render, architecting for high availability, fault tolerance, and scalability.
- Managed project timelines & deliverables effectively, ensuring on-schedule completion.

**Book Notes Manager (Full-Stack)** | [GitHub](#) | May 2024 - Aug 2024

- Designed & developed a full-stack notes app (Node.js, Express.js, EJS, PostgreSQL) with dynamic routing.
- Integrated Open Library API (Axios) to auto-populate book data, streamlining input and enhancing UX by reducing manual entry.
- Styled with Bootstrap for a responsive, mobile-first design; implemented full CRUD with ACID-compliant queries.

## Education

**Texas Tech University**, Lubbock, TX – M.S. in Computer Science | Aug 2023 – May 2025

**Malla Reddy College of Engineering & Technology**, Hyderabad, India – B.Tech in ECE | July 2019 – May 2023

**Certifications:** AWS Cloud Support Associate (**AWS, Jan 2025**) | Microsoft UX Design (**Microsoft, Jan 2025**) | React Complete Guide (Udemy, Feb 2024)