Kothakota Sai Laxman Rao

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Education

- **K.L University**, B.Tech in Computer Science and Information Technology (2023 – 2027) | CGPA: 9.73
- **Narayana Junior College**, Intermediate Education (2021 – 2023) | GPA: 9.49

Technical Skills

Languages: Java, Python, C
Core Concepts: Data Structures, Algorithms, OOP
Web: React.js, JavaScript, HTML, CSS
Backend: Spring Boot, Microservices, REST API, Hibernate
Databases: MySQL, MongoDB, PostgreSQL
Cloud/DevOps: AWS, CI/CD, GitHub Actions
Tools: VS Code, Eclipse, Git, Postman
Soft Skills: Leadership, Code review and refinement, Collaboration

Projects

- **E-commerce Platform (Full Stack Java)**   **February 2025**
  Tech Stack: React.js, Spring Boot, MySQL, REST API, Hibernate, AWS, CI/CD, Microservices
  - Engineered a scalable e-commerce platform with React.js and Spring Boot, handling 1,000+ concurrent users and reducing page load times by **40%**, enhancing user experience and driving sales.
  - Designed and developed secure RESTful APIs using **Spring Boot & Hibernate ORM** for efficient and reliable data transactions.
  - Integrated **JWT authentication and implemented role-based access control (RBAC)** to ensure robust security and access management.
  - Optimized **SQL queries**, reducing execution time by **35%**.
  - Integrated **CI/CD pipelines (GitHub Actions)**, cutting deployment time by **40%**.
  - Deployed on **AWS (EC2, S3, RDS)** for high performance.

- **Stock Management System (Data Structures, Stack)**   **April 2024**
  - Designed an **inventory management system** using **stack data structures** for **LIFO-based stock handling**, enhancing system efficiency by 25%.
  - Developed **optimized sorting & retrieval algorithms**, improving stock tracking and boosting overall system performance.
  - Enhanced **system efficiency by 25%** through **optimized data structures**.

Certifications

MongoDB Associate Developer (Global)   Verify Credential
Linguaskill Cambridge University (Global)

Leadership & Extracurricular Activities

- **Mentor, Be One Community Club, KL University** – Mentored 400+ students in technical & career guidance.

Awards and Scholarships

- **K.L University Scholarship 2023** – 50% tuition fee waiver for academic excellence.   **September 2025**
- **Shield and Certificate** – Ranked **3rd in CSIT** department.   **March 2025**