

KIDAMBI VENKATA SESA KARTIKEYAN

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SUMMARY

B.Tech Computer Science student focused on backend engineering. Experienced in developing scalable Java and Spring Boot applications using MySQL and RESTful APIs. Strong foundation in Data Structures, Object-Oriented Programming, Database Management Systems, and cloud fundamentals. Passionate about building reliable software solutions and contributing through innovation and collaboration.

SKILLS

- **Programming Languages:** Java, Python
- **Backend Development:** Spring Boot, REST APIs, Spring MVC, JPA, Hibernate, Microservices
- **Database:** MySQL
- **Cloud:** AWS (EC2, S3, RDS, IAM, Auto Scaling, CloudFormation)
- **Developer Tools:** Git, GitHub, Maven, Postman, IntelliJ IDEA, Eclipse, VS Code, Spring Tool Suite
- **Core Computer Science:** Data Structures, OOP, DBMS, Operating Systems
- **Soft Skills:** Communication, Team Collaboration, Problem Solving, Project Planning

EDUCATION

Koneru Lakshmaiah Education Foundation (KL University)
Bachelor of Technology in Computer Science

Jul 2022 – May 2026
CGPA: **8.67/10**

CERTIFICATIONS

- **Wipro TalentNext – Java Full Stack Development**
Digital Skills Readiness Program
Certification ID: TNext_SE_25_J_250890589

PROJECTS

TicketBook – Bus Ticket Reservation System

Java, Spring Boot, React, MySQL

- Built a full-stack bus ticket booking platform using Spring Boot REST APIs and React (Vite).
- Implemented an interactive seat map with real-time availability validation and conflict prevention to avoid double-booking.
- Developed advanced trip search with filtering (bus type, departure slot, price range) and sorting (price, rating, duration) using Java Streams.
- Implemented user authentication, role-based authorization, and session management.
- Integrated a coupon and discount engine supporting flat and percentage-based offers with dynamic fare calculation.
- Developed a data seeding module that auto-populates 450+ trips across 14 routes using an upsert strategy.
- Link: <https://ticket-reservation-system-z37j.vercel.app/>

EcomMart – Full Stack E-Commerce Platform

Java, Spring Boot, React, MySQL

- Built a full-stack e-commerce platform using Spring Boot REST APIs and React (Vite), supporting role-based access for guests, customers, and administrators.
- Developed a custom simulated Razorpay payment gateway featuring card validation, sandbox success/failure flows, and payment signature verification.
- Designed and implemented an Admin Dashboard with KPI cards displaying sales metrics, order statistics, and low-stock alerts.
- Built a comprehensive product management system supporting Create, Read, Update, and Delete (CRUD) operations.
- Engineered an order management module enabling administrators to track and update order statuses from Placed to Delivered.
- Implemented customer transaction history and order tracking features for improved user experience.
- Link: <https://ecom-mart-five.vercel.app/>