

VENKATESWARAN G

Java Backend Developer

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<https://github.com/Venkat-51>

SUMMARY

Aspiring **Java Backend Developer** with strong knowledge of **Java, Spring Boot, REST APIs, Hibernate, JDBC, and MySQL**. Hands-on experience **building scalable backend applications** and secure **RESTful services using Spring Boot and JWT Authentication**. Skilled in **API development, exception handling, and database integration with practical project experience**. Passionate about **developing reliable and production-ready backend systems**.

PROJECTS EXPERIENCE

Service Booking System (Java, Spring Boot, MySQL) [Link](#)

- Developed a **backend Service Booking System** using Spring Boot to manage customer service appointments.
- Built **RESTful APIs (10+ endpoints)** for booking creation, status tracking, and service management.
- Implemented a **booking lifecycle workflow** (Booked → Accepted → Travelling → Completed).
- Integrated **MySQL with Spring Data JPA** and tested APIs using **Postman**.
- Followed **Controller → Service → Repository architecture** and managed code with **Git/GitHub**.

AI Predictive Maintenance for Service Scheduling System (Team Academic Project) [Link](#)

- Developed an **Agentic AI-driven predictive maintenance platform** for **EV systems**, leveraging **Multi-agent automation** to **predict failures in real time**. Integrated **Wokwi IoT simulation, Node.js backend, and React.js frontend** to enable **proactive service scheduling**, improving reliability while **minimizing unplanned downtime**.

Decentralized Event Ticketing Application (Blockchain : Ethereum + Solidity) [Link](#)

- Developed a **Decentralized Event Ticketing Application** on the **Ethereum blockchain** using **Solidity smart contracts** to securely **create and verify tickets**. Integrated **MetaMask wallet authentication** with **JavaScript and Ethers.js**, implemented **QR-based ticket validation**, and ensured transparent, **tamper-proof ticket management** to **reduce fraud**.

TECHNICAL SKILLS

- **Programming:** Java, Python
- **Backend:** Spring Boot, REST APIs, Spring Security, Hibernate, JDBC, JWT Authentication, Exception Handling, Microservices
- **Database:** MySQL, SQLite, PostgreSQL
- **Core CS:** Data Structures & Algorithms, OOP, DBMS, Computer Networks, SDLC
- **Tools:** Git, IntelliJ IDEA, VS Code, Postman
- **Other Exposure:** Django, Node.js, Ethereum, Solidity

EDUCATION

Bachelor of Engineering in Computer Science
University College of Engineering Kancheepuram
CGPA : 7.7

May 2026

CERTIFICATIONS & INTERNSHIP

- **Artificial Intelligence Fundamentals – [IBM SkillBuild](#)** Issued: Feb 02, 2026
- **Python with Django Framework - [NexGen Innovator Solutions](#)** Issued: Aug 21, 2025
- **SQL Fundamentals – [WsCube Tech](#)** Issued: Jan 16, 2025