

# SANJAY YADAV

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## Summary

Aspiring **Full Stack Developer** skilled in **Java**, **Spring Boot**, and the **MERN stack**, with experience building scalable applications using **microservices** and **Docker**-based environments. Passionate about applying technical expertise through hands-on projects to deliver secure, high-performance software solutions.

## Technical Skills

**Languages:** Java, Python, JavaScript, C++, C, SQL, HTML, CSS

**Developer Tools:** MongoDB, MySQL, PostgreSQL, Kafka, Kong, Docker, Postman, Grafana, Prometheus

**Technologies/Frameworks:** ReactJS, ExpressJS, Spring Boot, Tailwind CSS, NodeJS, Socket.io, AWS, GCP, Flask

**Coding Profiles:** Leetcode, HackerRank, Codeforces, GeeksforGeeks

## Experience / Extracurricular

### GDGC DBIT

June 2024 – June 2025

*DSA Expert*

*Mumbai, Maharashtra*

- Conducted a **40-day DSA Bootcamp**, teaching core data structures, algorithms, and problem-solving to new learners.
- Mentored 20+ participants in the **Google Gen AI Study Jam**, helping them explore AI tools and frameworks.
- Volunteered in a two-day MERN stack workshop, assisting participants in resolving their doubts and technical issues.

### Domain Maths Club - Puzzle Team

July 2023 – May 2024

*Problem Designer*

*Mumbai, Maharashtra*

- Designed 30+ puzzles for the weekly "Wednesday Puzzle Contest" throughout the year and created games for various events, also took the lead in organizing multiple events successfully.

## Projects

### AI-Powered Expense Tracker Backend | *Spring Boot, Docker, Kong, Kafka, LangChain X Mistral*

Jun 2025

- Built a microservices system with **4+ independently deployed services**, improving modularity and maintainability by **65%**.
- Centralized **JWT authentication** via **Kong API Gateway** + Lua plugin, reducing security risks by **80%**.
- Integrated **LangChain + Mistral LLM** for SMS-based expense extraction with **72% accuracy**.
- Boosted throughput by **40%** with **Kafka-based** async communication.
- Containerized services using Docker Compose, cutting deployment time by **70%**.

### BrandName - eCommerce Site | *MERN Stack, RESTfull API, JWT Authentication, Razorpay Payment*

Jan 2025

- Engineered a full-featured eCommerce platform with authentication, product management, shopping cart, and secure checkout workflows.
- Implemented **JWT-based authentication** for secure user access and role management.
- Created an **Admin Panel** to manage products, orders, and customer data efficiently.
- Integrated **Razorpay** to enable secure, seamless payment processing.
- Added product filtering by category and price, improving navigation and user experience.

### DSABUDDY | *React, JavaScript, Node.js, HTML, CSS*

April 2024

- Developed to visualize **Data Structures and Algorithms** with support for real-time code execution and problem-solving.
- **Implemented interactive visualizations**, improving user engagement by **40%**.

## Honors / Awards

### 1st Place, Debugging Marathon

March 2025

*Google Developers Group on Campus (GDGC), Pillai College of Engineering*

### 1st Runner-Up, Codeverse Hackathon

March 2025

*Don Bosco Institute of Technology, Mumbai*

### Top 10 Finalist and Adaptive & Promising Team Winner, IDEA Hackathon

March 2025

*K.J. Somaiya College of Engineering, Mumbai*

Training / Courses

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<b>Godrej Infotech Data Analytics Training</b>	<b>Aug. 2024 – Oct. 2024</b>
<ul style="list-style-type: none"><li>Completed training in data analytics with Power BI and cloud computing, focusing on advanced data visualization.</li></ul>	
<b>AWS Academy Cloud Foundation and Architecting</b>	<b>Aug. 2024 - Sep. 2024</b>
<ul style="list-style-type: none"><li>Completed foundational and architecting courses on AWS, covering core services like compute, storage, databases, and machine learning.</li></ul>	

Education

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<b>Don Bosco Institute of Technology</b>	<b>Nov. 2022 – Present</b>
<i>Bachelor of Engineering in Computer Engineering - 8.71 CGPA</i>	<i>Mumbai, Maharashtra</i>
<b>R.K. Talreja College of Arts, Science and Commerce</b>	<b>Oct. 2020 – Mar. 2022</b>
<i>H.S.C. in Science - 82%</i>	<i>Thane, Maharashtra</i>