SANJAY YADAV

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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   Jun 2024 – Jun 2025
DSA Expert   *Mumbai, Maharashtra*
- Designed and led a **40-day DSA bootcamp** on core data structures and algorithms, organized a HackerRank contest with **50+ participants**, and curated a structured practice sheet from LeetCode and GFG with detailed solutions.
- Mentored 20+ participants in the **Google Gen AI Study Jam**, helping them explore AI tools and frameworks.
- Volunteered in a **two-day MERN stack worksho**p, assisting participants in resolving their doubts and technical issues.

Domain Maths Club - Puzzle Team   Jul 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*   Apr 2024
- Developed an interactive platform to visualize **Data structures and Algorithms** with support for real-time code execution
- **Implemented interactive visualizations**, improving user engagement by **40%**.

Honors / Awards

- 1st Place, Debugging Marathon, GDGC, Pillai College of Engineering - Mar 2025
- 1st Runner-Up, Codeverse Hackathon, Don Bosco Institute of Technology, Mumbai - Mar 2025
- Top 10 Finalist and Adaptive & Promising Title Winner, IDEA Hackathon, K.J. Somaiya College of Engineering, Mumbai - Mar 2025

Training / Courses

Godrej Infotech Data Analytics Training   Aug 2024 – Oct 2024
- Completed training in data analytics with Power BI and cloud computing, focusing on advanced data visualization.

AWS Academy Cloud Foundation and Architecting   Aug 2024 - Sep 2024
- Completed foundational and architecting courses on AWS, covering core services like compute, storage, databases, and machine learning.

Education

Don Bosco Institute of Technology   Nov 2022 – Present
Bachelor of Engineering in Computer Engineering - 8.71 CGPA   *Mumbai, Maharashtra*