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   Mar 2025
Google Developers Group on Campus (GDGC), Pillai College of Engineering

1st Runner-Up, Codeverse Hackathon   Mar 2025
Don Bosco Institute of Technology, Mumbai

Top 10 Finalist and Adaptive & Promising Team Winner, IDEA Hackathon   Mar 2025
K.J. Somaiya College of Engineering, Mumbai

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*

R.K. Talreja College of Arts, Science and Commerce **Oct 2020 – Mar 2022**
H.S.C. in Science - 82% *Thane, Maharashtra*