

VISHAL YADAV

Mumbai, Maharashtra

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EDUCATION

Bachelor of Engineering (B.E)- Rajiv Gandhi Institute of Technology

2019–2023

Computer Engineering - CGPA - 9.16

Mumbai, India

HSC - Sathaye College (Vile Parle)

2017–2019

Science stream - Percentage - 72% - MHT CET - 97.47 Percentile

Mumbai, India

EXPERIENCE

System Engineer - TCS | Nov 2023–Present, Mumbai

- Responsible for developing and maintaining a dynamic web application using **Java, JSP, and SQL**, enabling seamless database interaction and enhancing user experience.
- Developed and executed **custom utility** tools in Java to **automate repetitive tasks**, improving **operational efficiency by 50%** and reducing manual effort.
- Collaborated with cross-functional** teams to identify inefficiencies and design scalable workflow solutions.
- Resolved application issues through **root cause analysis**, increasing **reliability by 30%** and **user satisfaction by 25%**.
- Optimized existing utilities** and **improved latency by 40-50%** for better performance, **scalability**, and **maintainability**.

PROJECTS

Social Media Application | [View](#):

Tech Stack: React JS || Node JS || MongoDB || Javascript || Socket IO

Description: Developed a **full-stack** social media platform with features like **authentication, post creation, likes, dislikes, messaging, and user interactions**. Implemented real-time updates and secure auth to enhance UX.

Key Contributions:

- Engineered core features including post interactions, login, logout, and messaging with **real-time WebSocket** updates.
- Optimized database queries and backend performance to enhance scalability, **reducing response times by 40%**.
- Integrated secure user authentication and authorization **using JWT**, ensuring **data privacy and protection**.
- Implemented **efficient API** endpoints and caching strategies to **improve system responsiveness and load handling**.

Anomaly Detection Dashboard

Tech Stack: MongoDB || ExpressJS || ReactJS || NodeJS

Description: The Anomaly Detection Dashboard is a comprehensive web-based tool designed to identify and visualize irregularities or anomalies in datasets. Built using the MERN stack, this project leverages modern web technologies to provide real-time monitoring and insights.

Key Contributions:

- Designed a **scalable** system with MongoDB, Express.js, and Node.js, enabling **real-time** and historical data analysis.
- Developed a React.js-powered **interactive dashboard** with dynamic visualizations and instant **issue alerts**.

SKILLS

- Programming Languages:** C, C++, Core Java, Python.
- Web Development:** Servlets, HTML5, CSS3, Javascript, React JS, NodeJS, Express JS.
- Database:** MySQL, MsSQL, MongoDB.
- Libraries and Frameworks:** C++ STL, Bootstrap, Material UI, Sass, Tailwind CSS, Flask.
- Other Development Skills:** JSP, Linux, Machine Learning, GitHub, OOP Concepts, DSA.
- Soft Skills:** Problem-Solving, Communication, Dependability.

ACHIEVEMENTS	CERTIFICATION AND TECHNICAL COURSES
<ul style="list-style-type: none">Recognized as 'Employee of the Month' for outstanding performance, dedication, and contributions to project success.Kanpur-Mathura ICPC Regionals Finalist 2023 amongst 4000+ teams all over India at the Kanpur-Mathura Site.Codeforces 'Specialist' (1449) with 1000+ competitive programming problems solved.5 stars in HackerRank Problem Solving.4 stars in CodeChef (with the highest rating of 1954).	<ul style="list-style-type: none">Object-Oriented Data Structure in C++ (Coursera).Introduction to Web Development (Coursera).Database Management System.Data Structures and Algorithms.
	CODING PROFILES
	<ul style="list-style-type: none">Codeforces: vishal1809Codechef: vishal1809Hackerrank: vy34365