

VIKAS SALGUDE

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🏠 codechef 🏠 codeforces 📍 Pune, India

EDUCATIONS

Trinity Academy of Engineering <i>B.E. Computer Engineering</i>	Aug 2023 - Present CGPA : 9.45
Jawahar Navodaya Vidyalaya <i>Class 12th</i>	2022 Percentage : 84.2%
Jawahar Navodaya Vidyalaya <i>Class 10th</i>	2020 Percentage : 90%

PROJECTS

InterviewX 🌐 Github 🌐 Website	Dec 2025 - Feb 2026
Architected a secure, isolated code execution engine using the Piston API and Node.js/Express , enabling real-time execution of 4+ programming languages with automated validation. Engineered a scalable real-time communication infrastructure by integrating Stream Video & Chat , supporting high-fidelity 1-on-1 video interviews and synchronized messaging. Implemented robust asynchronous task management using Inngest for background jobs and TanStack Query for efficient data fetching, significantly reducing server overhead. Established a production-grade security workflow featuring Clerk authentication and specialized room-locking logic to restrict access to authorized participants. Optimized the data layer using MongoDB , ensuring schema flexibility for complex interview metadata and real-time state persistence.	
Technologies / Tools Used : Node.js, Express, MongoDB, Inngest, Clerk, Stream API, Piston API, TanStack Query, React, Tailwind CSS	
Terraquest 🌐 Github 🌐 Website	Sep 2025 - Dec 2025
Developed a full-stack web application for travel accommodation listings with user authentication, CRUD operations, interactive maps for property locations, and a fully responsive interface. Implemented secure session management, dynamic routing, and database integration for a seamless user experience.	
Technologies / Tools Used : Node.js, MongoDB, HTML, CSS, Bootstrap, Map APIs, Express	
Secure Media User Management System 🌐 Github	Feb 2026 - Present
Developed a robust backend with Node.js featuring JWT-based authentication and secure authorization for protected user resources. Integrated Multer and Cloudinary for seamless image uploads, implementing automated deletion logic to optimize cloud storage. Engineered a high-performance data layer supporting sorting and pagination to handle large datasets with minimal latency. Built secure user account features including encrypted password updates and role-based access control.	
Technologies / Tools Used : Node.js, Express, JWT, Multer, Cloudinary, MongoDB	

SKILLS

Programming Languages :	C++, JavaScript, Python
Frameworks & Libraries :	HTML, CSS, React, Express
Tools & Platforms :	Git, GitHub, VS Code
Databases :	MongoDB, MySQL
Soft Skills :	Adaptability, Teamwork, Problem Solving
Languages :	Hindi, English

AWARDS & ACHIEVEMENTS

- **Solved** 500+ problems with a **Peak Rating** of 1715 on LeetCode; ranked in the top 15% of contest participants.
- **Secured** 1st Prize in the departmental coding competition, demonstrating high-speed problem-solving and algorithmic accuracy.
- **Earned** 4-Star Gold Badges in both C++ and Python on HackerRank, reflecting proficiency in language-specific syntax and data structures.
- **Achieved** 2-Star rating on CodeChef.

HOBBIES

Listening to Music.

Playing Football, Table Tennis.