HIT JASOLIYA

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Education

Sardar Vallabhbhai National Institute of Technology, Surat	**Aug. 2023 – Present**
B.Tech. in Computer Science and Engineering, CGPA: 9.02/10.0	

Projects

Squad Draw - Collaborative Whiteboarding Platform   **July 2025 – July 2025**

NextJS, PostgreSQL, PrismaORM, Socket.IO, Zustand, TurboRepo   *Live Demo — Source Code*

- Built full-stack collaborative whiteboarding app with **Next.js 15** and **Socket.IO**, supporting **50** simultaneous users with real-time drawing synchronization and **<1**s latency.
- Implemented comprehensive drawing toolkit with full-stack primitives, customizable stroke/fill options, and **RoughJS** for hand-drawn style graphics; reduced redraw overhead by **90%** via **dual-canvas architecture** (static and dynamic layers).
- Created **enterprise-grade authentication** with **Better Auth**, ensuring secure user sessions and **comprehensive access control** with email verification and password reset functionality.
- Designed **PostgreSQL** database with **Prisma ORM**, optimized queries, and efficient data modeling for seamless data management.
- Wrote **CI/CD** pipeline and deployed site on **Azure** using **Nginx** reverse proxy on a self-hosted **Azure VM** with automated deployment workflows, achieving **>95% uptime** in production.

FlowPilot - Company Finance Management Platform (Team Project)   **May 2025 – June 2025**

NextJS, NextAuth.js, MongoDB, Mongoose, Tailwind CSS, Zod   *Live Demo — Source Code*

- Developed a full-stack company finance management platform using **Next.js**, **MongoDB**, and **NextAuth.js** with secure role-based authentication (Owner, Admin, Employee) and comprehensive financial management module for tracking transactions, managing budgets, and handling multiple bank accounts.
- Constructed robust project and task management system with features for creating projects, assigning tasks to employees, tracking progress through different stages, and implemented **RESTful API** using **Next.js API** routes with **Mongoose** schemas and **Zod** validation ensuring data integrity.
- Engineered a responsive and accessible UI with **Tailwind CSS**, improving user experience and ensuring cross-device compatibility.

Technical Skills

Languages: C++, Python, JavaScript, TypeScript, SQL, HTML/CSS
Technologies: React.js, Next.js, Node.js, Express.js, Socket.IO, RESTful APIs, Prisma, Mongoose, NextAuth.js, Zustand, Zod, TurboRepo, Tailwind CSS
Databases: PostgreSQL, MongoDB, MySQL
DevOps & Tools: Git, GitHub, Nginx, Azure
Core CS Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Computer Networks (CN), Computer Organization (CO)

Coding Profiles

- **LeetCode:** Solved **700+** Problems, Max rating: **1764** (**Top 10%**) – leetcode.com/u/hit_7624
- **Codeforces:** Solved **300+** Problems, Max rating: **1496** (Specialist) – codeforces.com/profile/hit_7624
- **GeeksforGeeks:** Solved **70+** Problems – geeksforgeeks.org/user/hit_7624
- **GitHub:** github.com/hit-7624

Achievements & Certifications

- **Algorithmic Expertise:** Solved **1000+** problems across platforms such as **LeetCode, GeeksforGeeks, and Codeforces**, focusing on key DSA topics such as dynamic programming, graphs, trees, and advanced data structures.
- **ACM Summer Challenge:** Successfully competed in a **30**-day coding contest, implementing complex algorithms, optimizing solutions for runtime efficiency, and mastering advanced data structures. Certificate of Participation.
- **ACM Inception 9.0 Coding Contest:** Achieved **top 15** ranking out of **100+** participating teams in **ACM Inception 9.0** through optimized algorithmic solutions and efficient problem-solving techniques. Certificate of Participation.
- **Codeforces Round 1017 (Div. 4)**: Achieved **Global Rank 215** out of **25,000+** participants.
- Consistently earned ranks such as **1688**, **3797**, **3999** in Codeforces contests.

Positions of Responsibility

Co-Head, Web Development, MindBend	**Oct. 2024 – May 2025**
Annual Technical Festival, SVNIT	
Executive, Association for Computing Machinery (ACM)	**Oct. 2024 – May 2025**
ACM Student Chapter, SVNIT	