

# Vinit Saspara

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## SUMMARY

Full Stack Developer specializing in the MERN & PERN stack with a strong academic foundation (CGPA 9.11). Experienced in building secure, scalable, and role-based web applications with a focus on clean backend architecture, RESTful APIs, and intuitive user interfaces. Passionate about problem-solving, data structures, and delivering reliable end-to-end solutions.

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## EDUCATION

**Bachelor of Technology in Information Technology** (*Sep 2023 – Ongoing*)

Devang Patel Institute of Advance Technology and Research (DEPSTAR), CHARUSAT

Graduation Year: 2027 | **CGPA: 9.11**

**HSC (12th Grade)** – Gujarat Board

Kaushal Vidhyabhavan | Year: 2023 | **PR: 93.10**

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## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), Typescript, C++, Python

**Frontend:** React.js, EJS, Tailwind CSS, ShadCN UI

**Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication

**Database:** MongoDB, PostgreSQL

**Tools:** Git, GitHub, Postman

**Core Concepts:** Data Structures & Algorithms, OOPs

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## PROJECTS

**CHATIFY – REAL-TIME CHAT APPLICATION** (*Individual Project | MERN Stack*)

[Live Demo](#) | [GitHub](#)

- Developed a **real-time one-to-one chat application** with a clean, responsive UI using the MERN stack.
- Implemented **JWT-based authentication** and integrated **Socket.IO** for real-time messaging and online/offline user status.
- Built core features including **text messaging, image sharing, timestamps, and auto-scroll chat view**.

- Designed **scalable backend APIs** with Node.js, Express.js, and MongoDB to manage users, conversations, and message history.

## EXAMINATION PORTAL (*Team Project / PERN Stack*)

[GitHub](#)

- Collaborated with a team to design and develop a comprehensive online **examination management system** for academic use.
- Designed a **structured database** schema covering **users, students, subjects, faculty roles, exams, and marks** across academic years.
- Implemented **role-based access control (Admin, HOD, Faculty and Student)** using **JWT authentication**.
- Developed **backend APIs** for exam creation, subject allocation, faculty assignment, and student eligibility management.
- Built secure workflows for **marks entry, evaluation, and result generation** based on exams and subjects.
- Integrated **PostgreSQL** to manage relational academic data efficiently with scalable references.
- Contributed to frontend components using **React.js and ShadCN UI** for a clean and responsive interface.

## SPOURAL / EVENT MANAGEMENT SYSTEM (*Team Project / MERN Stack*)

[GitHub](#)

- Collaborated with a team to build a web-based platform for managing spoural and college events.
- Contributed mainly to **backend development**, including API design and database schema creation.
- Implemented **role-based authentication and authorization** using JWT.
- Developed full **CRUD functionalities** for events, users, and participant registrations.
- Built responsive UI components using **React.js and ShadCN UI**.
- Integrated **MongoDB** for structured and scalable data storage.

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## CERTIFICATIONS & ACHIEVEMENTS

Link: [Click here](#)

**Odoo Hackathon 2025 (24 Hours)** - Participated in a 24-hour team-based hackathon organized by Odoo, Gandhinagar, gaining hands-on experience in rapid problem-solving and team collaboration.

**Software Engineering Specialization - Coursera** - Completed a specialization covering software design, UML modeling, testing, project management, and the software development lifecycle (SDLC).