

Heet Keyur Shah

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EDUCATION

Sardar Patel Institute Of Technology

Bachelors of Technology in the branch of Computer Engineering

2023 – 2027

CGPA: 8.68/10

- **Relevant Coursework:** Object-Oriented Programming, DBMS, Operating Systems, Data Structures, Computer Networks

Barclays Minor in Banking Technology

Multidisciplinary Minor Program in Banking Technology

2025 – 2027

PROJECTS

Dhruvaa – KPI Builder | React, Node.js, Express, MongoDB [GitHub](#)

2025

- Developed a modular KPI visualization platform for startups, with a responsive **React-based dashboard** supporting chart-driven layouts, and interactive insights across **80+ metrics in 8+ business domains**.
- Designed scalable **RESTful APIs using Node.js + Express**, enabling decoupled metric fetching and layout rendering with **MongoDB schema-based storage** for user-defined visual configurations.
- Improved response time through **in-memory caching** of layout metadata and query results, reducing API latency and enhancing real-time dashboard performance.
- Implemented **dynamic component loading**, conditional rendering, and state memoization to ensure smooth client-side navigation and reduced rendering overhead.

VyapariOne – Inventory Coverage | React, Node.js, SQLite3, Express [GitHub](#)

2024

- Built a modular **inventory management platform** using Express and **SQLite3**, performing optimized SQL queries for item search, updates, and dynamic filtering.
- Crafted a clean, interactive **dashboard UI** with React, Axios, and Tailwind, minimizing re-renders and enabling smooth state-driven data interactions.

NeuroGrid – Sudoku Solver | React, JavaScript, Tailwind [GitHub](#)

2025

- Enhanced frontend performance by **22%** using a **multi-layer caching mechanism** (in-memory + service worker), improving load times and maintaining a consistent **75% cache hit rate**.
- Implemented custom **backtracking algorithm** in vanilla JS, integrating with **Sudoku API** for real-time input, solving 9×9 boards in **under 60ms**.

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, Python

Technologies/Frameworks: ReactJS, NodeJS, ExpressJS, TailwindCSS

Databases: MySQL, MongoDB

Tools: VSCode, GitHub, Figma, AutoCAD, Canva

EXTRACURRICULAR

Teaching Assistant – SPIT

Professional Communication Skills, Academic Assistance

- Facilitated interactive sessions in **Professional Communication Skills** for **150+ B.Tech, MCA, and M.Tech** students, emphasizing industry-ready communication and collaborative practices.
- Assessed **60+ technical documents**, coached **20+ student-led presentations**, and contributed to **syllabus delivery and feedback loops**, boosting clarity, confidence, and peer learning by 25%.

ACHIEVEMENTS

- Achieved a global rank of **294** in CodeChef Starters 194, showing strong problem solving skills .
- Maintained a **200+** day active streak on LeetCode solving Daily Coding Challenges, demonstrating consistency and commitment.
- Cleared Prelims and regionals at **CodeUncode**, an ICPC-style contest conducted by DJ Sanghvi, S.P.I.T. and KJ Somaiya College.