

# PRATHAM PARIKH

Vadodara, Gujarat, India

📞 9429291946   ✉ [prathamparikh94@gmail.com](mailto:prathamparikh94@gmail.com)   [in linkedin/in/pratham-parikh](https://www.linkedin.com/in/pratham-parikh)   [github.com/pratham15541](https://github.com/pratham15541)   [Portfolio](#)

## Summary

Full-stack software engineer with a strong interest in developing **high-performance web and mobile applications**, scaling reliable systems, and applying **data structures and algorithms** through practical, project-based experience.

## Education

**The Maharaja Sayajirao University** **July 2024 – Present**  
*Bachelor of Engineering in Computer Science*   CGPA: 8.29 *Vadodara, Gujarat*

**Parul University** **June 2021 – May 2024**  
*Diploma in Computer Engineering*   CGPA: 9.39 *Vadodara, Gujarat*

## Experience

**Suyog Electricals Ltd.** **Apr 2024 – June 2024**  
*Full Stack Developer Intern* *Vadodara, Gujarat*

- Fixed critical bugs and implemented new features using **REST APIs**, enhancing overall application functionality in a production environment.
- Optimized performance by restructuring **SQL queries**, leveraging external libraries, and reducing web page load time by over **40%**.
- Refactored codebase following **Agile methodologies** for improved maintainability and scalability; conducted unit testing and code reviews to ensure reliability.

## Projects

**ShellMind - AI CLI Chatbot** | *Nodejs* | [!\[\]\(4b7a79268f6ba26c1471d4232fffa85a\_img.jpg\)](#) **April 2025**

- Developed **ShellMind**, an AI-powered **CLI chatbot application** using **Node.js** to streamline developer workflows and enhance productivity.
- Implemented session management and contextual awareness using file system and prompt engineering.
- Enabled interaction with local directories using **command-line utilities**, enhancing user experience for developers.

**Codebox - Online Code Editor and Compiler** | *Reactjs, MongoDB, Nodejs, Express* | [!\[\]\(95b425611cbd2b8716a140cf67c81822\_img.jpg\)](#) **March 2024**

- Built a browser-based platform to write, compile, and execute code across languages using **WebContainer**, containerized runtimes, and **Docker**.
- Implemented JWT-based authentication, project-based session storage, and user management for secure user access.
- Followed best practices for **CI/CD**, **version control** (Git), and backend architecture to ensure application scalability.

*Other projects include a Weather App, Custom Music Player, and a Real-Time Chat Application.*

## Certifications

**Github Foundations** **March 2025**  
*Github*

**JavaScript Algorithms and Data Structures** **June 2023**  
*FreeCodeCamp*

**TCS ION Career Edge** **June 2021**  
*Tata Consultancy Services*

## Skills

**Programming Languages:** C, Java, PHP, SQL/PLSQL, JavaScript/TypeScript  
**Frontend:** HTML, CSS, JavaScript, Tailwind CSS, React, Next.js  
**Backend:** Node.js, Express.js  
**Databases:** Supabase, MSSQL, MongoDB  
**Tools and Technologies:** Tools and Technologies: Git/GitHub, Docker, Postman, Unit Testing  
**Technical Skills:** Data Structures (DS), Design and Analysis of Algorithms (DAA)

## Position of Responsibility

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### Code Vimarsh

June 2025 – Present

#### *Core Member — Web Development*

*The Maharaja Sayajirao University*

- Organized and facilitated various **coding**, **DSA**, and **technical workshops**, ensuring smooth execution and fostering a collaborative learning environment.
- Enhanced the club's website and improved its performance by **20%** through code optimization and efficient asset management.

### Achievements

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- Solved **200+** **coding problems** across platforms like **LeetCode** and **Codeforces**.
- Contributed to open-source projects such as **Glott.io**, adding **Dart compiler support**.
- Participated in **SSOC (Social Summer of Code)** as an open-source contributor.
- Awarded **Silver and Bronze Medals** for Academic Excellence during Diploma in Computer Engineering.