

# Kushagra Sisodia

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## EXPERIENCE

**Software Development Engineer Intern** | Parth Universal Pvt.Ltd., Gurugram

Jul 2024-Dec 2024

- Led the front-end optimization of *OneCricketWeb CMS*, enhancing load times by **40%** and reducing JavaScript bundle size by **25%** using code-splitting and lazy loading techniques.
- Implemented 10+ reusable, modular React components and integrated RESTful APIs, boosting development efficiency and minimizing UI redundancy.
- Delivered clean, scalable, and well-documented codebase using modern JavaScript (ES6+) and React best practices, contributing to a **20% onboarding time reduction** for new developers.

## TECHNICAL SKILLS

JavaScript (ES6+), TypeScript, React.js, Node.js, Express.js, MongoDB, PostgreSQL, RESTful APIs, Redux, HTML5, CSS3, Tailwind CSS, C++, Python, JWT Authentication, Firebase

## PROJECTS

**PACERQuest** | MERN Stack, Typescript, JWT Auth, Performance Optimization

Apr 2025

- Engineered full-stack flashcard and topic-based quiz generation application serving students and educators based on React frontend and Node.js/Express REST API.
- Secured application with JWT authentication, implementing refresh tokens and protected routes
- Architected MongoDB schemas with indexing, reducing query times by **40%** for user progress tracking.
- Boosted rendering performance by **60%** through React virtualization techniques for large datasets.

**WorkWise** | Javascript, React, Tailwind, Vite, AuthProvider

Jan 2025

- Built a responsive Employee Management System (EMS) using React, enabling real-time task assignment and progress tracking for administrators and employees.
- Created client-side data persistence using local Storage to manage task states, deadlines, and completion status without backend dependencies.
- Designed a modular component architecture with reusable UI elements, improving development efficiency and maintainability by **50%**.
- Optimized task workflow and user experience through intuitive interfaces and conditional rendering, boosting task completion reporting by **40%**.

**PromptForge** | AI Prompt Engineering Platform, OpenRouter API, Firebase, Next.js, Typescript

Oct 2024

- Developed a full-stack AI tool that auto-applies 3+ advanced prompt engineering frameworks (RSTI, TCREI, TFCDC), improving prompt clarity and success rate by **45%**.
- Integrated OpenRouter API with 4 cutting-edge LLMs (GPT-4o, Claude 3.5, DeepSeek R1, Gemini Pro), increasing generation accuracy and versatility across 500+ prompt types.
- Initiated real-time prompt transformation engine with vital explanations, reducing user prompt iteration time by **45%**
- Future development focuses on Firebase-based sync system, enabling secure prompt storage, versioning, and multi-device access upto 1000+ users.

## EXTRA-CURRICULAR

- **Tech Lead** : NULL VIT Bhopal Student Chapter -Coordinated SECVIT 24 with 300+ participants and 2 workshops at VIT Bhopal University.
- **Coordinator, Cricket team Vice Captain** : Cultural and Sports Events - Planned and executed campus-wide cultural and sports events at university level at VIT Bhopal University, Gold Medalist: Aarambh Inter sports Cricket Tournament.
- **Core Member HR Team** : Data Science Club - Actively contributed to organizing events, seminars, and community service projects aligned with the club's objectives.

## EDUCATION

**VIT Bhopal University**

Bachelor of Technology in Computer Science and Engineering – CGPA: 8.55

Bhopal, MP

Nov 2022 – Present