

Khushi Agrawal

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Professional Summary

Fullstack-leaning Software Engineer with hands-on experience building reusable, performance-focused React interfaces and API-driven UI systems. Strong in optimizing rendering, handling asynchronous failures, and building reusable React components across 3+ screens, optimized for mobile and low-bandwidth environments. Solid foundations in data structures with real-world exposure to debugging, deployment, and production-quality code.

Technical Skills

Frontend & UI Systems: React.js, HTML5, CSS3, Tailwind CSS, Redux
Backend & APIs: Node.js, Express.js, REST APIs, JWT Authentication, Role-Based Access Control
Performance & Reliability: Render Optimization, Async Handling, Error States, Retry Logic, Network Failure Handling
Data & Storage: MongoDB, SQL, AWS S3 (Object Storage Fundamentals), ImageKit
Deployment: Vercel, GitHub
Languages: C/C++, JavaScript (ES6+), Python (working knowledge)

Experience

Frontend Developer Intern - CodexIntern July 2025

- Refactored 15+ UI components into reusable React abstractions, reducing duplicated logic by **30%**.
- Optimized rendering through enhanced state management and memoization, boosting UI performance on low-end devices.
- Built resilient async UI flows with proper loading, error, and retry handling for unreliable network conditions.

Projects

Local Sathi - Service Discovery & Booking Platform Live Demo | GitHub
Tech Stack: *MERN, Tailwind CSS, REST APIs, JWT, OSM, React-i18next, Vercel.*

- Built a full-stack service discovery platform enabling users to search, filter, and book local service providers via a mobile-first UI.
- Embedded **OpenStreetMap** to display nearby providers, improving location-based discovery and user trust.
- Enabled **multi-language UI**, enabling scalable localization without duplication.
- Developed multi-step booking flows with controlled forms, validation, and robust loading/error state management.
- Engineered JWT-based authentication with role-aware routing for customers and service providers.
- Designed reusable UI components (service cards, booking slots, status indicators) to ensure consistency and simplify future feature expansion.
- Connected REST APIs with structured latency and failure handling to ensure seamless user journeys.
- Deployed on Vercel using environment-based configurations to ensure stable production performance.

DevTales - Full-Stack Platform with Role-Based UI Control Live Demo | GitHub
Tech Stack: *MERN, JWT, ImageKit, Gemini API.*

- Designed a modular, role-aware UI architecture supporting authenticated user flows, admin privileges, and permission-based rendering.
- Implemented JWT authentication and role-based authorization, ensuring secure separation between frontend access controls and backend permissions.
- Built REST APIs with clean separation of routes, controllers, and middleware for long-term maintainability.
- Leveraged Google Gemini API with robust latency and failure handling to maintain uninterrupted user experience.
- Offloaded media storage and transformations to ImageKit, enhancing frontend rendering performance and reducing backend load.
- Deployed using environment-specific configurations on Vercel to ensure reliable production releases.

Education

Bachelor of Technology (B.Tech) - Computer Science and Engineering
KCC Institute of Technology and Management 2022 – 2026
CGPA: 7.84

Achievements

- Solved 300+ DSA problems on LeetCode and GeeksforGeeks. LeetCode Profile | GFG Profile
- 5-Star Programmer on HackerRank HackerRank Profile
- Completed GFG 160 Days Coding Challenge Certificate

Certifications

HCL - Full Stack Web Development Certificate
HackerRank - SQL Basics Certificate
GirlScript Summer of Code - Open Source Contributor Certificate