

# Sonal Kumari

| Frontend Developer | React + UI/UX Engineer

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## SUMMARY

Frontend Engineer with 2+ years of experience building **high-performance React apps and design systems** for government-scale platforms. Specialized in **UI architecture, accessibility (WCAG 2.1, screen readers, keyboard navigation)**, and secure frontends. Delivered portals for **5,000+ users**, and passionate about **Core Web Vitals, internationalization (i18n), and user-centric design**.

## TECHNICAL SKILLS

**Programming languages:** Python, JavaScript (ES6+), TypeScript, C++, SQL.  
**Frontend:** React, Redux Toolkit, Next.js, Material-UI, Tailwind CSS, SCSS/SASS  
**Web Vitals:** Accessibility (WCAG 2.1, ARIA, screen readers), Responsive & i18n UI, Storybook-driven Design Systems  
**Backend & APIs Exposure:** FastAPI, Node.js, REST, GraphQL, WebSockets, Microservices  
**Databases:** PostgreSQL, MySQL, NoSQL  
**Cloud & Tools:** AWS (EC2, S3, Lambda, Cognito, SNS, SQS, CloudWatch), GitHub, Git, CI/CD Pipelines, GitHub Actions  
**Testing:** Jest, Pytest, Cypress, TDD, Integration Testing, Visual Regression Testing

## WORK EXPERIENCE

### Quicket Solutions

GURGAON, INDIA

#### Software Engineer, SDE -1

July'2023 - Present

- Engineered **React applications** for Public Safety, Courts, and Jurisdictions, Optimized React rendering with code-splitting and memoization, cutting initial load time by 20%.
- Built **secure authentication flows with AWS Cognito MFA**, enabling seamless user onboarding for **5,000+ active users**.
- Architected a **Storybook-driven design system** (navigation, buttons, forms) imported across all projects, ensuring consistency, accessibility, and 30% fewer UI defects
- Engineered **pixel-perfect, responsive, and internationalized frontends** aligned with Figma prototypes.
- Developed custom **build monitoring via Slack bot integration**, surfacing UI test failures in real-time

### Quicket Solutions

GURGAON, INDIA

#### Software Engineering Intern

Oct'2022 - July'2023

- Built a **real-time dashboard** using WebSockets handling **1,000+ concurrent users**, passing WCAG 2.1 audits
- Developed a reusable React component library, adopted across **5+ projects**, cutting dev time by **40%**.
- Optimized APIs with caching and query tuning, reducing response times to **<200ms**.
- Integrated **AWS CloudWatch** for end-to-end monitoring and custom UI alerting system for faster error visibility.

## PROJECTS

### Unified Payments Platform

- Led development of a payment workflow leveraged with Stripe from API design to React frontend, AWS deployment.
- Added **real-time polling & validation flows** to prevent XSS/injection attacks and reduce support tickets by **26%**.
- Engineered a multi-tenant architecture, integrating **bitwise XOR-based RBAC** for efficient access control.
- Created a centralized UI component npm package (Decision tree based Chatbot)** to enforce design consistency.

### Market Seasonality Explorer

- Built a **React-based application** for visualizing **historical volatility, liquidity, and performance** of financial instruments and embedded **data visualization layers** using **Chart.js & D3** to display price trends, performance metrics, and volume patterns.
- Leveraged Binance API for real-time crypto price tracking and seasonality analysis with heatmaps.
- Designed a **responsive, mobile-friendly UI, advanced filtering** and optimized rendering for high-performance interactions.

## EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

2019 - 2023

Bachelor of Technology (B-Tech) - Computer Science and Engineering [Specialization - Cyber Security and Digital Forensics]

8.92 GPA

## KEY ACHIEVEMENTS

**Achieved Quicket Badges:** Top 5% Performer, Mentored 5+ developers, Achieved multiple 100% project retention.

**Open Source Contributions :** 50+ open-source contributions to React & FastAPI communities, published multiple NPM packages.

**Research Work** - Authored and published a **solo research paper** on **Deception Techniques for Active Cyber Defense** at ISJR with 90% peer review score.