Sonika Singh Tomar

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SUMMARY

I am sonika with a robust foundation in **Object-Oriented Programming (OOP)**, **Data Structures**, and **Algorithms**. Proficient in developing, testing, and deploying scalable, high-performance mobile applications. Expertise in front-end technologies including **React**, **Redux** for state management, and **JavaScript (ES6+)**. Passionate about optimizing application performance and enhancing **UI/UX** to deliver intuitive and efficient user experiences.

EDUCATION

Bachelor of Technology - BTech, Computer Science | VIT Vellore Institute of Technology, Sehore | 2023 – 2027

12th Grade |90.6%| Gurukul Convent School, Prithvipur, Niwari, M.P | 2021 – 2022

10th Grade |92.5% Sun International School, Jhansi, Kanpur Road | 2019 – 2020

KEY ACHIEVEMENTS

- **Code forces Pupil:** Achieved "Pupil" rating on Code forces https://codeforces.com/profile/tsonic
- **Data Structures & Algorithms:** Solved over 250+ DSA problems, https://leetcode.com/u/cse01/

TECHNICAL SKILLS

- **Languages:** C++, C, JavaScript (ES6+), TypeScript, SQL
- **Frontend Development:** React Native, React.js, Redux, HTML5, CSS3
- **Backend Development:** Node.js, Express.js
- **Databases:** SQL, Google Firebase,Supabase
- **Version Control:** Git, GitHub

ROJECTS

Room finder

- **Implemented** a sophisticated search functionality with multiple filters, leveraging **RESTful APIs** to fetch and display dynamic data. Using Supabase edge functions for matching and for embeddings.

Crop Disease Detection

- **Engineered** a real-time, image-based crop disease detection system to provide farmers with actionable insights.
- **Utilized** a machine learning model to analyse images and provide accurate disease identification and mitigation recommendations. Using fastapi,mern.

Food Ordering App

- **Built** a full-stack, cross-platform food ordering application using the **MERN stack (MongoDB, Express.js, React Native, Node.js)**.
- **Optimized** application performance by 30% through efficient state management and component lifecycle methods.