

Nikhil Singh

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PROFILE SUMMARY

A passionate **Flutter Developer** skilled in building high-performance, cross-platform apps with **responsive UI, GetX / Provider state management, and RESTful API integration**. Experienced in designing **scalable, modular architectures** and maintaining clean code. Also proficient in the **MERN stack** for full-stack development. Committed to innovation, performance, and continuous learning.

EXPERIENCE

Dizaart Systems Pvt Ltd (currently working)

- **Developed** a role-based Flutter **mobile application** for the Party Nuptual platform, enabling Vendors and Guests to interact seamlessly.
- Implemented **vendor onboarding** & paid listings, allowing service providers to showcase offerings such as photographers, decorators, entertainers, planners and more.
- Used GetX for state management, route navigation, and data passing across screens, ensuring clean architecture and high performance.
- Build vendor functionalities including service listing, **paid promotions**, business profiles and category filtering.

Immortal Technovation Pvt. Ltd (6 oct 2025 - 7 Jan 2026)

- **Built** and deployed the **Role-Based Leave Management System (LSM App)** using Flutter and PEN stack (PostgreSQL, Express.js, Node.js) implementing secure authentication, role-based access control, and complete CRUD operations.
- Designed and developed the Manager Dashboard for leave approvals, rejections, and employee oversight, ensuring seamless interaction between employee and admin portals.

PROJECTS

IPBOT LMS

Developed a cross-platform Leave Management System mobile application that streamlines the process of applying, approving, and tracking employee leaves for both employees and managers.

- Built a **dynamic and responsive UI** in Flutter with GetX for efficient state management and real-time updates, ensuring **smooth performance**.
- Integrated **RESTful APIs** for managing leave requests, approvals, revocations, and secure user authentication, ensuring **reliability**.
- Implemented **role-based access control** with distinct views and functionalities for employees, managers, and admins.
- Developed advanced leave management features, including **leave balance tracking, multi-date leave requests, and revoke functionality**, allowing users to revoke previously approved dates while managers can **partially approve leave requests** as needed.

AquaTrack – Non-Revenue Water (NRW) Monitoring System (SIH 2023)

- Developed a scalable **MERN stack platform** for real-time monitoring of **Non-Revenue Water (NRW)** losses in urban infrastructure.
- Implemented **JWT authentication** with **role-based access control** for secure user management.
- Enabled **geo-tagged complaint logging** with image uploads for issue classification and tracking.
- Built a dynamic **admin dashboard** for real-time analytics, issue mapping, and performance insights.

Smart Agri App | Flutter, Python (CNN), Flask, REST API Integration

- Developed a Smart Agri App that uses a **CNN model** to **predict** plant diseases from leaf images and suggest suitable fertilizers.
- Integrated a Flask backend with REST APIs for seamless communication with **the Flutter frontend**.
- Implemented dynamic market price visualization for various crops using the Agran API.
- Enhanced agricultural decision-making through AI-driven insights and an intuitive user interface.

TECHNICAL SKILLS

App Development - Flutter, Dart, RESTful API Integration, State Management (GetX/Provider), Responsive UI Design, Firebase Integration

Web Development - HTML, CSS, React, Node.js, Express.js

Database Management - MySQL, MongoDB

Programming - Javascript, SQL, Flutter, C++, **4 star on CodeChef**

Version Control - Git, GitHub

EDUCATION

ABES INSTITUTE OF TECHNOLOGY, Noida-Bachelor of Technology in Computer Science

(2022-2026)

Indus Valley Public School, Noida- Intermediate: PCM- 80%

(2020-2022)

- High School: 80%

(2018-2020)

ACHIEVEMENTS & CERTIFICATION

- **Winner – Smart India Hackathon 2023, Government of India initiative**
- **Cleared TCS CodeVita Season 12, securing an All India Rank of 909 out of thousands of participants**
- **4-star Coder on CodeChef, with consistent participation in national-level contests**