

Sonali Kale

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PROFESSIONAL SUMMARY

Motivated IT student with strong foundations in programming, web development, and data structures. Skilled in Java, Python, and modern development tools, with hands-on experience building real-world applications through hackathons, internships, and academic projects. Eager to contribute to impactful tech solutions and grow through real-world challenges.

KEY SKILLS & STRENGTHS

- **Languages:** Java, Python, PHP
- **Database:** SQL, MySQL
- **Frontend Technologies:** HTML, CSS, JavaScript (basic), WordPress
- **Backend & Frameworks:** Django, PHP
- **Conceptual Knowledge:** Cybersecurity, Blockchain, Computer Networks, Cloud Computing
- **Tools & Platforms:** GitHub, VS Code, MySQL, Postman, XAMPP
- **Technical Strengths:** Debugging & optimization, API integration, Root-cause analysis, Quick learning, Team collaboration, Real-world solution design

EDUCATION

L.D. College of Engineering, Ahmedabad | Gujarat

June 2024 - 2027

Bachelor of Engineering (BE) in Information Technology (Pursuing)

Dr. S. & S.S. Ghandhy College of Engineering, Surat | Gujarat

July 2021 - March 2024

Diploma in Information Technology — CGPA: 9.47/10

PROJECTS

1. Language Agnostic Chatbot — Smart India Hackathon 2025 (College Level Selected)

Focused on enabling language-independent communication between students and campus systems through automated responses.

Tech Stack: Python, FastAPI, ChromaDB, HTML/CSS/JS, LangDetect, GoogleTrans

Key Contributions:

- Built backend using FastAPI, handling 10+ multilingual queries during testing across 5 languages
- Engineered vector search (ChromaDB), boosting answer retrieval speed by ~40%
- Developed an admin dashboard for dynamic updates of FAQs (CSV/JSON) and circulars (PDFs)
- Automated repetitive student queries, reducing manual workload for college staff by 30–40%

GitHub: <https://github.com/sonali19705/CampusSarthi-chatbot>

2. PM POSHAN Bill Information System

A web-based application designed to streamline billing, grant allocation, and expense tracking under the PM POSHAN (Mid-Day Meal) scheme for schools.

Tech Stack: Python, Django, Django REST Framework, SQL, HTML, CSS, JavaScript, Postman

Key Contributions:

- Implemented backend logic using Django and Django REST Framework to manage 100+ bill and expense records
- Optimized backend queries, reducing report generation time from 6–7 seconds to <3 seconds
- Integrated frontend with backend APIs, enabling real-time data updates for users
- Validated 20+ REST APIs using Postman to ensure accuracy and reliability
- Added role-based authentication for 2 different user levels (admin, school)

GitHub: <https://github.com/sonali19705/poshan-expense-tracker>

INTERNSHIP EXPERIENCE

1. Infusion Infotech Pvt Ltd | Surat | Web Application Developer

July 2023 - August 2023

- Improved web page responsiveness and reduced load time by ~25%, enhancing user engagement

2. Web Forest Pvt Ltd | Surat | Front-End Web Developer

September 2022

- Developed responsive web pages using HTML and CSS, improving mobile usability across 1 internal project