



Riya Agarwal

UG (3rd Year Student [6th Sem])
B.Tech. (Computer Science and Engineering)
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Area of Interests

Machine Learning & AI, Web Design, and Group Discussion/Communication Skills

Education

Degree/Examination	Institution/Board	Year	CGPA/ Percentage
B.Tech. II Year	Kalinga Institute of Industrial Technology (Bhubaneswar)	2025	8.1
Class 12	Spectrum Global Academy,Jaipur	2023	82.4%
Class 10	Neerja Modi School,Jaipur	2021	94%

Experience

Low-Code Application Development (Appian)

- Completed a **2-month internship at The Collabo Corner**, where I worked on developing and improving business process workflows using **Appian**, a leading low-code automation platform.
- Gained practical experience in **application building, process optimization, UI design, and integrating low-code features** to deliver efficient and user-friendly business solutions.

Front-End Development (Flutter)

- Completed an internship at **Tailsway**, where I worked on **UI/page designing using Flutter**, focusing on clean layouts, responsive design, and smooth user experience.
- Gained hands-on experience in **Flutter widgets, basic state management, app structuring, and front-end implementation** for mobile applications.

Technical Skills

Languages: C, C++, Python, SQL,Java

Web: HTML, CSS, JavaScript

Frameworks/Tools: Flutter, React Native, TensorFlow

Student Projects

Brain Tumor Detection System (Machine Learning Project) (3rd yr)

- Developed an ML-based system to classify brain MRI images into tumor and non-tumor categories using deep learning models.
- Implemented CNN architecture, performed data preprocessing, augmentation, model training, evaluation, and achieved strong accuracy in predicting tumor types.
- Future Goal:** Plan to extend the system into a **real-time diagnostic tool** with improved accuracy, multi-class tumor detection, and integration into a simple web/app interface for easy medical use.

Sankalpa – Smart Healthcare Assistance App (React Native | Expo)

A cross-platform family health management app enabling multi-profile tracking, medication reminders, document storage, and healthcare scheme access. Built with React Native and Expo for a smooth, accessible user experience, featuring camera integration and offline functionality.

Core Implementation:

- Multi-User Family Profiles with active member selection
- Medication Reminder System with dosage/timing tracking using AsyncStorage
- Camera Integration (Expo Camera) for profile personalization
- Health Document Repository for digital record storage
- Government Scheme Info (e.g., Ayushman Bharat) in a unified portal
- Clean UI/UX with StyleSheet and Ionicons for all age groups
- Technical Stack: React Native, Expo, JavaScript (ES6+), React Navigation, Expo Camera, AsyncStorage

Prototype: 📱 [Sankalpa Prototype.webm](#)

Code: <https://github.com/Riya-877/sankalpa-app>

Extra-Curricular & Non-Technical Experience

- Contributed to a social entrepreneurship initiative focused on empowering local artisans by promoting and facilitating the sale of their handcrafted products.
- Led marketing and project-pitch presentations for inter-college events and competitions.
- Served as the **Marketing Head** of the college society *Enactus*, overseeing campaign planning, branding activities, and outreach strategies.

Design and media skills

- Proficient in Figma for graphic designing and UI mockups.
- Experienced in social media management, content planning, and digital promotions.