RISHI JAGAD

mail@jagadrishi78@gmail.com | linkedin.com/in/RishiJagad | +91 7817810410 | RishiJagad.github

EDUCATION

Bhavnagar, Gujarat

GEC BHAVNAGAR, *Sep 2023 – May 2026 (CGPA- 8.19)*

Bachelor of Engineering in ICT

Rajkot, Gujarat

A.V. Parekh Technical Institute *Aug 2023 (SPI: 9.00, CGPA- 7.93)*

Diploma – Computer Engineering

SELECTED PROJECTS

Interior Designing using AR

- ARniture is an interactive Android application that uses Augmented Reality (AR) to help users visualize and organize furniture like tables, chairs, beds, lamps, and TVs in real-world spaces. By placing 3D AR models into the live camera view, users can see how each item fits and looks in their environment before making any real changes or purchases. The app provides an immersive and realistic experience, making home design both fun and practical. With intuitive touch controls and lifelike scaling, ARniture brings smart interior planning to your fingertips. It's perfect for homeowners, interior designers, or anyone who wants to reimagine their space.

TextARact – Smart Text Extraction System

- TextARact is a powerful OCR-based Android application designed to fetch and extract text from images, scanned documents, and handwritten notes with high accuracy. By leveraging Optical Character Recognition (OCR), the app instantly converts visual data into editable and searchable text. Whether it's a printed page or a handwritten list, users can digitize and process it in seconds. The system supports multilingual recognition and offers a clean, user-friendly interface for seamless operation. Ideal for students, professionals, and visually impaired users, TextARact brings the world of text into your digital hands.
- The project uses **Python** with **Tesseract OCR** and **OpenCV** for text extraction, and **Java/Kotlin** in **Android Studio** for app development. Key libraries include **pytesseract**, **PIL**, and **NumPy**.

Image Rendering for Blind People

- This project is an innovative hardware-software system designed to assist visually impaired individuals by converting real-world images into meaningful spoken descriptions. Using the ESP32-CAM, the device captures images every 30 seconds, which are then processed through Google Gemini APIs for intelligent visual analysis. The generated text is converted into speech using Google Text-to-Speech (gTTS) and played through a built-in speaker. This hands-free tool enables blind users to better understand their surroundings in real-time. With AI-driven image rendering and accessible hardware, this project offers a powerful step toward inclusive technology.

CERTIFICATES

- Web Developing - (CREART) *16 Jul 2025*

TECHNICAL SKILLS

Languages and Framework: HTML5 | CSS3 | JavaScript (Es6+) | Android| Python | Java | C

Skill and Tools and Database: SQL | Git & Github |Video editing | Chrome DevTools |UI/UX | Visual Studio code | Figma |