

## SKILLS

**Programming Languages** - Java, Python, Dart, SQL.

**Tools/Technologies:** Flutter development, Front-end development, Hive Database, Firebase Realtime Database, MySQL, Android Development, Machine Learning, Tkinter, REST API.

## WORK EXPERIENCE

**Indian Institute of Technology****Jodhpur (Raj.)****App Developer Intern**

May 2024 - present

- Engineered a cross-platform mobile application using the Flutter framework for tracking user interactions, resulting in a 40% increase in user engagement and a 25% reduction in churn rate.
- Tracked and managed over 100 interaction events monthly using Android Accessibility Services and the Media Projection API.
- Technologies used: Flutter, Dart, Android, Hive (handling 1000+ records), Firebase Storage, Firebase Realtime Database.

**Indian Space Research Organisation****Jodhpur (Raj.)****Software Developer Intern**

Feb 2024 - Jul 2024

- Designed and implemented a flutter application utilizing Optical Mark Recognition (OMR) technology across 20+ screens.
- Generated customizable OMR sheets in PDF format, reducing filling errors by 25% by prefilling student data in OMRs based on user preferences.
- Developed a Python REST API enabling OMR sheet scanning using OpenCV and ARUCO markers for augmented reality, achieving an accuracy rate of 95%.

## PROJECTS

**Textual-Tune Pdf App (3<sup>rd</sup> year):**

Feb 2024

- Developed a flutter app for users of all linguistic backgrounds and literacy levels, featuring over 10 screens.
- Translates PDF text into 10+ Indian traditional languages, facilitating multilingual understanding.
- Processes PDFs to extract text, with 95% accuracy rate, and generate coherent outputs such as stories and articles.
- Enables Search for Telugu and Urdu words in PDFs, both in Unicode and image formats utilising Tesseract OCR with recognition accuracy of 90%.

**Password Manager (3<sup>rd</sup> year):**

Nov 2023

- Python based Password Manager leveraging Tkinter. Saves passwords with username and a unique key for encrypting.
- Managed password decryption with the help of unique key, increasing password security by 50%.

**Voice Assistant (2<sup>nd</sup> year):**

Jul 2023

- Developed a flutter app for users of all linguistic backgrounds and literacy levels that handles over 1000 voice queries weekly, providing seamless text and voice outputs to enhance accessibility and convenience with its dual output features.

**Cardiovascular Heart Disease Predictor (2<sup>nd</sup> year):**

Feb 2023

- Predictive model for cardiovascular diseases using machine learning techniques. Predicts the likelihood of an individual having cardiovascular disease based on various risk factors and clinical parameters with 96% accuracy.

**Hotstar Clone Website (1<sup>st</sup> year):**

Jun 2022

- Frontend clone website project inspired by Hotstar, featuring user-friendly interface utilising html, css and javascript.

## EDUCATION

**B. Tech, Computer Science**

2021-present

Jodhpur Institute of Engineering &amp; Technology (Autonomous), Jodhpur (Raj.)

CGPA: 8.76

**Senior Secondary (XII Science, CBSE )**

2020-2021

Central Academy School, Jodhpur (Raj.)

Percentage: 95.40%

**Secondary (X, CBSE )**

2018-19

Central Academy School, Jodhpur (Raj.)

Percentage: 93.20%

## CERTIFICATIONS

**Flutter Development:** Dotsquares Technologies, Jaipur

May 2023 – Jul 2023

Learned flutter and dart programming by creating a food delivery app UI and a functional image editing app.

**Android Development:** Engineer Core in association with Effervescence IIIT Allahabad

Apr 2023 - May 2023

Learned basics of Android development and Java by creating basic **native apps**.**Frontend Development:** Jodhpur Institute of Engineering and Technology, Jodhpur

Jun 2022 - Jul 2022

Learned web designing concepts. Additionally, worked on **interior design** and **hotstar clone** web projects.

## ACHIEVEMENTS

- Nominated for the **Top Performing Intern Award 2024** during an app development internship at **IIT Jodhpur (Raj.)**.
- Army Wing **NCC B Certificate (2024)**.
- Team lead in Reckon 5.0 (2024)** National level hackathon, **Hack-ito 2.0 (2023)** Software edition, **Open House Prayas (2023)** Working Project Competition, all organised by JIET Jodhpur (Raj.).
- Won a **gold medal** in **singing** and a **silver medal** in the **Tug of War** competition during the **NCC - B CATC CUM PRE RDC-1 Camp 2023**, competing against 100+ participants.
- Painting featured** as the **cover** of **Smile Train's 2020 calendar launch** organized by Smile Train, New Delhi.
- Awarded by **His Highness Maharaja Gaj Singh II, Maharaja of Jodhpur**, in 2020 for artwork selected as one of the **top 13** in Jodhpur.