



## Saksham Rawat

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🔗 **@tratum**

🌐 **Website Portfolio**

## SKILLS

### Programming Languages :

- Python, Java, Dart

### Frameworks/Libraries:

- FastAPI, Flask, Flutter, RASA

### Databases:

- MongoDB Compass

### Cloud Services:

- Firebase, GCP

### Version Control:

- Git

## EDUCATION

**B.tech CSE** 2020-2024

**Manipal University** 7.5 CGPA  
**Jaipur**

**12th, CBSE** 2019 -2020

**Tagore Public** 76 %  
**High School**

**10th, CBSE** 2017 -2018

**Jayshree Periwal** 80 %  
**High School**

## WORK EXPERIENCE

### SOFTWARE DEVELOPER INTERN

**Lawinzo, Gurgaon**

June 2023 - September 2023

- Developed a Chatbot using RASA framework to improve customer interactions.
- Architected, developed, and documented RESTful APIs to enhance software ecosystem.
- Utilized web scraping techniques to extract and analyze data from external sources.
- Optimized app performance by solving a critical issue related to Background App Activity.
- Mentored and trained team members on RASA framework implementation.
- Conducted manual functional testing of web and mobile app functionalities.

### APP DEVELOPER INTERN (FLUTTER)

**Data Infosys, Jaipur**

May 2023 - June 2023

- Developed mobile applications using the Flutter framework under the guidance of my mentor.
- Worked closely with App Development Team.
- Conducted code reviews and provided constructive feedback to enhance the quality and maintainability of the codebase.

## PROJECTS

### APPLE MATURITY DETECTION

Feb 2023 - Apr 2023

- Developed a program to detect the maturity of apples using Convolutional Neural Networks (CNN) and YOLOv8.
- Achieved an accuracy of 78% in predicting apple maturity using CNN.
- Utilized Python for implementing the machine learning models and processing the image data.

### NOTELY

July 2023 - Aug 2023

- Developed "Notely", a cross-platform app for Android and iOS platforms using the Flutter framework. The app serves as a comprehensive tool for both to-do lists and note-taking.
- Integrated Firebase for backend services, including data storage and user authentication.

### WEATHER PREDICTION MODEL

Mar 2023 - Apr 2023

- Developed a weather prediction program using the ARIMA model as part of a team of 4.
- Achieved a Root Mean Square Error (RMSE) in the range of 4-7%, demonstrating the accuracy of the predictions.
- Utilized Python for implementing the ARIMA model and processing the weather data.

### WANDERLUST EXPEDITIONS

Nov 2024 - Jan 2024

- Created 'Wanderlust Expeditions' travel website using Flutter for cross-platform compatibility.
- Employed Firebase for backend management and crafted a dynamic API by curating data through web scraping and JSON.