

# Sulaksh Dahiya

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## EDUCATION

### Thapar Institute of Engineering and Technology

B.E in Electrical and Computer Engineering, CGPA: **8.14**

Patiala, Punjab

2021 – 2025

### New Green Field School

Class 12th(C.B.S.E), Percentage: **93.7**

New Delhi

2021

### New Green Field School

Class 10th(C.B.S.E), Percentage: **96.4**

New Delhi

2019

## PROJECTS

### Expense Tracking Application / Flutter App Development

May 2023

- Designed and developed a mobile application using Flutter framework for both Android and iOS platforms.
- Conceptualized and implemented features for expense tracking, including user-friendly interfaces for adding, editing, and categorizing expenses.
- Technologies used:** Flutter,Dart,Firebase

### Plant Disease Detection / TensorFlow(Deep Learning)

December 2023

- Trained a deep learning model using TensorFlow framework to accurately detect plant diseases from images, contributing to precision agriculture and crop management.
- Curated and preprocessed a large dataset of plant images, ensuring data quality and diversity to enhance model generalization and robustness.
- Achieved high accuracy rates in detecting various plant diseases, demonstrating the effectiveness of the developed model.
- Technologies used:** TensorFlow,Google Colab,Keras

### Shopping List Application / Flutter App Development

April 2023

- Conceptualized, and developed a mobile application using the Flutter framework for both Android and iOS platforms.
- Created a user-friendly interface allowing users to easily create, manage and organize their shopping lists, enhancing convenience and productivity.
- Technologies used:** Flutter,Dart,Firebase

## TECHNICAL AND NON-TECHNICAL SKILLS

**Courses:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Object-Oriented Programming, C/C++, Computer Networks

**Languages:** C/C++, Python, MATLAB,JavaScript,Dart,php

**Softwares:** Tensorflow,Flutter,Microsoft Office, Android Studio,Unity,BootStrap,HTML,CSS

**Databases:** MongoDB,SQL,Firebase

**Developer Tools:** Git, Github, VS Code, Visual Studio

**Libraries:** Pandas, NumPy, Matplotlib, SpeechRecognition, OpenCV, Keras

**Non-Technical:** Leadership, Project Management, Event Management

## POSITION OF RESPONSIBILITY

### Member at Pratigya Abhiyan(NGO):

- Contributed as a dedicated member in a college society aimed at providing free education to underprivileged children.
- Mentored and supervised small children, offering individualized support and guidance during their preparation for an event.
- Successfully organized and coordinated a group of volunteers for daily tutoring students and activities promoting holistic development at an NGO supporting underprivileged students.

### Member at Ultron Motorsport:

- Contributed as a dedicated member in a college society(SAE BAJA Team of TIET constituted in 2015).
- Member of the Data Acquisition Team(DAQ).