

KARAN RANA

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EDUCATION

Bachelor of Technology Computer Science and Engineering

Graphic Era University

2021-2025

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering

Class XII

CBSE 93.2%,

Kendriya Vidyalaya Ordnance Factory, Dehradun

2021

Class X

CBSE 97.6%,

Kendriya Vidyalaya Ordnance Factory, Dehradun

2019

SKILLS

Flutter, Dart, Git/GitHub, Linux, C/C++, Oracle/MySQL, DBMS, HTML, CSS, Firebase, TensorFlow

PROJECTS

Traffic Signs Classification with a Convolutional Network. Tackle traffic signs classification problem with a convolutional neural network implemented in TensorFlow.

- Uses a computer vision algorithm to detect and track traffic signal in images.
- The main focus is data preprocessing, data augmentation, pre-training and skipping connections in the network.
- Technology Used: TensorFlow, scikit-learn

Real-time Chat Application. A flutter based android application which allow users to chat in real time. ([GitHub](#))

- Used Firebase Authentication(SDK) to facilitate authentication and Cloud Firestore to store data.
- Technology Used: Flutter, Firebase, Dart.

Voice Based Gender Identification Using Deep Learning. Identify the gender of individuals based on their voice patterns. ([GitHub](#))

- Collected a diverse dataset of voice recordings and designed a robust neural network model.
- Technology Used : Natural language processing , Deep Learning.

Cryptocurrency Price Tracker. Application which shows real time prices of major cryptocurrency pairs. ([GitHub](#))

- Build a cryptocurrency price tracker that provides real-time prices, historical data, and price alerts for various cryptocurrencies.
- Integrate API data sources for accurate pricing information.

EXTRA-CURRICULAR ACTIVITIES

Organising Member of Subharambh-2022

- Helped and Managed close to 1000+ attendees at the event.
- Collected over Rs. 1,00,000 in entry fees for different activities