

# Davinder Singh

ELECTRICAL ENGINEERING UNDERGRADUATE · OPEN-SOURCE ENTHUSIAST

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## Education

### Indian Institute of Technology Roorkee

Roorkee, India

B.TECH. IN ELECTRICAL ENGINEERING

Aug 2019 - PRESENT

- Cumulative Grade Point, CGPA: 7.44/10

### Ch. Harpal Singh Convent Senior Secondary School

Sirsa, India

12TH - INTERMEDIATE (CLASS XII)

Mar 2019

- Percentage: 85.80%

### Satluj Public School (CBSE)

Sirsa, India

10TH - MATRICULATE (CLASS X)

Mar 2017

- Cumulative Grade Point, CGPA: 9.8/10

## Achievements & Scholarships

2019 All India Rank 1616

India

2019 All India Rank 3566

India

## Projects

### Solana Voyage [github.com/8Bit1Byte/flutter-app-solana-voyage](https://github.com/8Bit1Byte/flutter-app-solana-voyage)

IIT Roorkee

BUILDING OUT LOUD (HACKATHON POWERED BY SOLANA)

Aug 2021 - Sep 2021

- Solana Voyage is Dapps made by me for submission in this competition.
- Some of the features of this app are:
  - Just in single click people get their account and can make a transaction via links and pop notification at destination devices.
  - User just create a wallet or use his or her wallet and Pay and Request crypto coin or can add crypto into wallet. offers based on specific condition, previous transaction history, monthly report, we can see real-time market information and trading services.
- Along with App create I made my own small Solana API RPC calls in dart for better integrations in flutter framework based Dapps.

### Design of Solar assisted E-Rikshaw (with Regenerative Braking)

IIT Roorkee

ELECTRICAL ENGINEERING DEPARTMENT

Dec 2020 - Feb 2021

- Design a solar assisted e-rickshaw for 6 people with an average weight of 70kg and weight of the e-rickshaw is 100kg.
- The project involved the use of regenerative braking to reduce the waste of power while applying brakes.
- The design used one-fourth of the power of the power from solar charging and the rest by electrical charging.
- This is a course project in the subject of Engineering Analysis and Design.

### Air Quality Index

IIT Roorkee

CIVIL ENGINEERING DEPARTMENT

Sep 2019 - Oct 2019

- Comprehensive analysis and explanation of air quality index.
- Calculation process and monitoring of AQI levels.
- This is a course project in the subject Environmental Science.

## Extracurricular Activity

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**StackOverflow** [stackoverflow.com/users/14867730/exploore-x](https://stackoverflow.com/users/14867730/exploore-x)

IIT Roorkee

CONTRIBUTOR

Mar 2021 - May 2021

- My Contribution on stackoverflow is about 3 months.
- Main area which I cover here are Machine Learning, Python, Numpy, Pandas, Matplotlib, Tensorflow, Keras, Flutter, Mobile Development.
- Within 3 months I scored about 1620 reputations and 0.01% top in python and 0.08% top flutter but it is dynamic.

**NCC IIT Roorkee**

IIT Roorkee

VOLUNTEER

Sep 2019 - Sep 2020

- As an NSS volunteer, I actively participated in the NSS activities.
- I help the advisory committee of the college with the proper execution of the NSS activities.
- It helps us in developing qualities of leadership, skills to become an organizer.

## Skills

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**Programming** *Proficient:* C/C++, Node.js; *Experienced:* Python, Dart, JavaScript

**Framework** TensorFlow, Keras, PyTorch, Scikit Learn, Flutter Firebase, React JS, React Native

**Web** (Basic) Express.js with Node.js and React JS

**Utilities** Git, Sublime Text, Vim, VS Code, Anaconda, Colab, Jupyter Notebook

## Certificates

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Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

Coursera

Deep Learning Specialization

Coursera

Google Ads Search Certification

Google Skillshop

## Interests

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- Data structures and algorithms
- Machine Learning
- Mobile Development