

DEVENDRA SINGH RANA

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EDUCATION

Bachelor's in Computer Science (B.Tech), KCC Institute Of Technology And Management Jul 2019 - Present

Academic Achievement

- Engineering GPA: 9+/10 (A/A+ Average)

Intermediate, Nilgiri Hills Public School [Cracked IIT Jee Mains and Advanced] Apr 2017 - May 2019

High School, Nilgiri Hills Public School [Topped CBSE board with 10CGPA(A+)] Mar 2016 - Apr 2017

PROJECTS (WORK HISTORY)

Project 1 Stock Market Prediction (Using ML) Jul 2021 - Present

- This Project is created using Machine Learning(ML) and Python.
- Machine learning techniques have the potential to unearth patterns and insights we didn't see before, and these can be used to make unerringly accurate predictions without getting much training of stock market.
- The techniques used are Moving Average, Linear Regression, k-Nearest Neighbors, Auto ARIMA, Prophet, Long Short Term Memory (LSTM).
- Data Set of random stocks has been taken from Internet for this software development.

Project 2 Speech Emotion Recognition (Using Python) Apr 2021 - Jun 2021

- This project is build using Python including libraries librosa, soundfile, and sklearn. Using the RAVDESS dataset.
- This is capitalizing on the fact that voice often reflects underlying emotion through tone and pitch.
- The best example of it can be seen at call centers. Call centers employees never talk in the same manner, their way of pitching/talking to the customers changes with customers.

Project 3 Traffic Control Management System (Using C++) Dec 2020 - Jan 2021

- Developed in C++ Programming language with the use of video graphics, Traffic Control Management System is a management application developed for the purpose of controlling traffic problems.
- The application detects traffic by using opencv. The algorithm provides necessary traffic information required for analysis and decision making in traffic management.
- This software analyses the traffic for each lane decides to divide the traffic based on type of vehicle.
- This Software Development is helpful for traffic management in urban and high population/networking area.

Project 4 Tic Tac Toe Game (Using JavaScript) Feb 2021 - Mar 2021

Project 5 Movie ticket booking system (Using Java) Mar 2021 - Apr 2021

Project 6 Bank Management System (Using Programming language C) Oct 2020 - Nov 2020

Project 7 Rock Paper Scissor Game (Using Programming language C) Aug 2020 - Sep 2020

SKILLS

Languages	C and C++ (Professional Experience), Java, JavaScript, Python, Natural language processing
Technologies	Machine Learning (ML), Web Application Development, Data Structures or Algorithms
Tools	Git, Unix/Linux Environment, Vs Code, GitHub(Open Source) , Microsoft Office , Pycharm, Net-beans
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Leadership, Proficient English.

Achievements National Engineering Olympiad Certificate (NEO 3.0), 2-Star Coder at Code Chef (Competitive Coding), Developing Soft Skills Silver Certificate (NPTEL by IITs)