



SEJAL KAUR VIRDI

STUDENT AT DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT.

AS AN AMBITIOUS AND HIGHLY MOTIVATED STUDENT WITH A PASSION FOR CODING, I AM EAGER TO APPLY MY SKILLS TO REAL-WORLD CHALLENGES. I AM A QUICK LEARNER, A CREATIVE PROBLEM-SOLVER, AND A TEAM PLAYER, AND I AM EXCITED TO LEVERAGE MY TECHNICAL EXPERTISE TO MAKE MEANINGFUL CONTRIBUTIONS.



Contact



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Skills

- **Languages**
Java, Python, HTML
- **Database Management**
MySQL, Firebase
- **Machine Learning**
TensorFlow, OpenCV, NLP
- **Data Science**
Numpy, Pandas, Matplotlib, Scikit
- **Data Analysis**
Power BI
- **Communication Skills**, leadership
- **Problem Solving**, OOPs



Certifications

- Core Java Basics (Upgrad)
- Foundations of Python (Infosys)
- Introduction to Artificial Intelligence (Infosys)
- Clean Data in SQL using MySQL Workbench (Infosys)
- Complete Machine Learning and Data Science Bootcamp (Udemy)
- Project Management (Google)



Education

- **Bachelors of Engineering- (Artificial Intelligence and Machine Learning)**
OCT 2020-2024
CGPA - 9.44
Dayananda Sagar Academy of Technology and Management - Bengaluru, Karnataka
- **ISC**
APRIL 2018 - MARCH 2020
96%
Little Flower School - Jamshedpur, Jharkhand
- **ICSE**
FEB 2007 - MARCH 2018
93.4%
Little Flower School - Jamshedpur, Jharkhand



Project

- **College Marketplace App (Java)**

This mobile application is a Java-based platform in Android Studio that serves as a college community where students can sell/buy second-hand products and save their money and time.

- **Insurance Management System (MySQL)**

It is a web application provided with an authentication system. It is a three-interface system that can be used by bank admins, agents as well and customers to maintain and update their records and payment status using Python, streamlit, and MySQL.

- **AI Gym Trainer (Computer Vision|AIML)**

It is a computer vision system that accurately tracks and counts the bicep curls and correct posture during planks using Python, Mediapipe, and Open CV. It provides real-time feedback and helps in injury prevention.

- **Movie Sentiment Analysis (NLP |AIML)**

It is a Machine Learning project that scrapes the user's comments on a movie and performs ML to classify them into their respective sentiments. The end result is an overall percentage rating of positive sentiments, providing valuable insights into the movie's reception among viewers.

Leadership and Volunteering

- Elected as class representative consecutively for 4 terms in college.
- Served as the club head for The Art and Literature Club at DSATM.
- Organized a hackathon successfully as a part of AIML Club coordinator- 2022.

Internship and Experience

- Vocational Training under TataSteel Pvt Ltd
Project-"Predicting Flight Delay Using ML"
(15 March 2023- 10 May 2023)
- Way For Life(NGO)- Visited Government schools and contributed towards waste management awareness.

Languages

- English
- Hindi
- Punjabi

Seminars

- Completed 2 Days of hands-on workshop on "IoT and its Application" on 3rd & 4th December 2021.
- Completed 3 days of hands-on workshop on "Advanced Machine Learning" from 24th to 26th of November 2022.
- Completed training by Centre for Innovation and Leadership on "Dynamic skills integrated program" on 31st March 2023.

Hobbies

- My major hobbies include art. I love paying attention to small details and bringing creativity to my work.
- Apart from art, my hobbies include singing, giving stage performances, and always learning new technologies.

Publications

A Study on Real-time Video Analysis for Vehicle Traffic Movement

International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)
December 12, 2022

The study explores techniques for detecting, tracking, and counting vehicles, and provides insights into challenges and opportunities for improving the accuracy and efficiency of the process. The results have important implications for traffic management and reducing congestion.