Sourav Sehgal

Kotkapura, Punjab

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About Me

I am an enthusiastic Web Developer with a keen interest in the fields of Machine Learning and Deep Learning. I am always eager to learn new things. I believe that with my hard work and learning skills, I can solve any challenge that comes ahead and will prove useful to the company.

EDUCATION

Indian Institute of Technology, Mandi   **2019, Present**
BTech Computer Science and Engineering
CGPA: 8.81 (Till 4rth Semester)

D.A.V. Sr. Sec. Public School, Kotkapura   **2017-2019**
High School
Percentage: 96.6 % (in 12th Board Exam)

Skills & Abilities

Programming Languages: C++, Python   **Databases** : MySQL, MongoDB

Web Development: HTML, CSS, Javascript, Flask, Django

Machine Learning : Regression,Dimensionality Reduction(LDA, PCA), Clustering (K-Means, GMMs, DB-SCAN), Classification(KNN, SVM, CNN)

Frameworks: Numpy, Pandas, Scikit Learn

PROJECTS

VTON - Virtual Try-On   *Feb 2021 - Mar 2021*
○ Created a Virtual Try-On network using UNet and other Computer Vision Algorithms. This was deployed using Google Colab and Github. This project helps a person to see how he/she will look after trying some clothes but in a Virtual Way.
Link to Repository

Eventima- Event Management System   *April 2021 - April 2021*
○ EvenTima is an event management django based webapp. It can help in managing the events smoothly in which they can manage all the events, the team members of the event and people who are participating in that event.
Link to Repository

Almanac   *April 2021 – April 2021*
○ Almanac is a Django based To-Do-App where you can add the tasks you have to do with task description and task priority level. Almanac will store your data forever unless you delete it. Almanac provides you with multiple features like sorting the tasks by their priority level and searching the task by its title. Link to Repository

Machine Learning Models   *July 2021 – July 2021*
○ A predictive analysis on some large datasets using various Machine Learning models like Linear Regression, Logistic Regression, Decision Trees, Random Forests, KNN etc. Link to Repository

Relevant Coursework

Data Structures and Algorithms	Data Science 1 (Python)	Linear Algebra
Information and Database Systems	Data Science 2 (Probability Theory)	Computer Organization
Applied Database Practicum	Data Science 3 (Machine Learning)	
Data Handling and Visualization	Signals and Systems	

Position of Responsibilities

Content Head, Pukaar'21 IIT Mandi	May 2021 –Present
Student Assistant, Applied Database Practicum Course, IIT Mandi	August 2021 –Present
NSS Volunteer, NSS IIT Mandi	June 2019 –Present
Planning Team Volunteer, Exodia IIT Mandi	Dec 2019 –April 2020