Aayush Sharma

LinkedIn | GitHub | **Email:** aayush.sharma.k88@gmail.com | **Phone:** 7080995079

Career Objective

An innovative computer science enthusiast, interested in developing Data Science and Machine Learning based technologies. Excited to explore, learn and work on emerging technologies that are revolutionizing the way we interact with the internet.

Technical Skills

Languages	:	Python, SQL, C/C++, HTML/CSS, JavaScript
Frameworks	:	Tensorflow, Scikit-Learn, Flask, MySql
Libraries	:	Numpy, Pandas, Matplotlib, Seaborn
Dev Tools	:	Visual Studio Code, Git, Jupyter Notebooks, PyCharm, DataSpell, GoogleColab

Education

Pranveer Singh Institute of Technology — 7.54 CGPA
B.Tech in Computer S cience and Engineering (Artificial Intelligence) — *2020 – Present*

Dr. V.S.E.C Shyam Nagar — 88%
Higher Secondary School (CBSE) — *2018 – 2019*

Dr. V.S.E.C Shyam Nagar — 9.6 CGPA
Secondary School (CBSE) — *2016 – 2017*

Projects

Houm: A smart Real Estate Website *[Machine Learning, Solidity, Smart Contracts, React.js]* Ongoing

- A smart real-estate website to recommend real estate using **Machine Learning** and use **Solidity** based smart contracts for renting them.

Stock Price Prediction using Machine Learning *[Sklearn, Keras, Flask, HTML/CSS, DataSpell]*

- Predict the closing stock price of a company based on the opening stock price.
- This model uses advanced **Recurrent Neural Network** called **Long Short Term Memory (LSTM) model** to predict closing stock prices. The front-end is made using **HTML/CSS** and integrated using **Flask**.

Exploratory Data Analysis (EDA) *[NumPy, Pandas, Seaborn, Matplotlib, Plotly, Jupyter notebook]*

- Performed Exploratory Data Analysis on Netflix and Amazon Prime Video data sets to establish patterns and relationship between their various features.
- Used **Data Visualizing** techniques using libraries like **Matplotlib** and **Plotly**.
- Applied various **Data Preparation and Cleaning** techniques to handle **null values** and **missing data**.

Music Recommendation System using Machine Learning *[Sklearn, K-Means Clustering, Pipeline, Flask]*

- Used **K-Means Clustering** along with **Standard Scaler** in a **Pipeline** to form clusters of similar songs.
- Implemented the front end using **Flask** app.

Certifications

Supervised Machine Learning Certificate [**Coursera**]

- Built Machine Learning models for prediction & Binary Classification tasks, including **Linear Regression** & **Logistic Regression** in Python using machine learning libraries **NumPy & scikit-learn**.

Advanced Learning Algorithms [**Coursera**]

- Built and trained **Neural Networks** with **TensorFlow** to perform multi-class classification
- Built and used **Decision Trees & Tree Ensemble**, including **Random Forests** and boosted trees
- Apply best practices for machine learning development and use optimization techniques like **Vectorization & XGBoost** so that the models generalize to data and tasks in the real world.