

# TARUN GUPTA

## ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
IDD	Physics IIT (BHU), Varanasi	8.45	2025
CBSE (XII)	Central Academy	84.800	2019
CBSE (X)	National Academy	87.400	2017

## SKILLS

- **Languages:** Python, C++, SQL (Basic)
- **Technologies:** Pandas, Matplotlib, Scikit-learn, BeautifulSoup, Streamlit, NLTK, OpenCV, Tensorflow, Keras, Git
- **Softwares:** Jupyter Notebook, PyCharm, MS Excel, Google Colab, MySQL, Tableau
- **Area of Interest:** Machine Learning, Data Science, Natural Language Processing, Computer Vision, Data Analytics, Data Structures, algorithms
- **Soft Skills:** Team Work, Problem Solving, Effective communication

## PROJECTS

### Amazon Apparel Recommendation System

*Build an easy recommendation system*

- Performed EDA on given data
- Used cosine similarity and pairwise distances as metrics to evaluate product similarity.
- Build an easy recommendation system using **BOW** and **TF-IDF**.
- **Exposure-** Scikit-learn, plotly, NLTK
- [github](#)

### Quora Question Pairs

*Classified similar and not similar question pairs*

- Created features from given data using python libraries and performed **EDA** using matplotlib and seaborn
- Used Natural Language toolkit (NLTK) and Scikit-learn for preprocessing and cleaning of text data and Spacy for vectorization of text
- Applied **Random Forest**, **XGBoost**, **Decision Tree** achieved accuracy of 78% in classification of similar and not similar question pairs
- **Exposure-** NLTK, Spacy, Scikit-learn, Matplotlib
- [github](#)

### Indian Parliament Dashboard

*Created a Web Scraper using BeautifulSoup to extract data from official website of government of india*

- Used Streamlit to build a dashboard showing members of parliament
- Cleaned and preprocessed extracted data using pandas and **BeautifulSoup**
- Deployed this dashboard/webapp to **streamlit**
- **Exposure-** BeautifulSoup, Streamlit
- [github website](#)

## CERTIFIED COURSES

- Certified in **Machine Learning** in Python by 365DataScience
- Certified in **Web Scraping and API Fundamentals** in Python by 365DataScience
- Certified in **MS-Excel** by 365Data Science

## POSITION OF RESPONSIBILITY

### Served as a event executive at technex'22 (Annual techno meet IIT BHU)

- Worked with a *team of 10 members* and brought *80+ participations* from outside colleges
- This enhanced my team management and communication skills too

## HONOURS AND ACHIEVEMENTS

- Qualified in **JEE Advanced 2020** and got enrolled into IIT BHU by being in the top 1% out of a million applicants
- Secured 9th position in DeepFake Detection, a competition hosted by COPS, IITBHU on Kaggle where we build a deep learning model to classify real and fake images using OpenCV and Keras

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