

Indore, Madhya Pradesh,  
India  
Github [LINK]  
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# Utkarsh Gupta

LinkedIn [LINK]  
Kaggle [LINK]

## WORK EXPERIENCE

### Data Science and Business Analyst Intern

07/2021 — 08/2021

The Sparks Foundation

Remote

- Completed Various Tasks assigned on weekly basis.
- Performed Data Cleaning, Exploratory Data Analysis, Created ML notebooks, Trained Models on the Business usecase provided.

### Machine Learning Intern

01/2021 — 02/2021

Prafulla Trading Company

Remote

- **Created Machine Learning Models on Several Sales and Products Datasets.**
- **Increased** Machine learning algorithm's **precision by 10 percent**.
- Performed **Data extraction, Cleaning, Munging and Visualizations.**

### Freelancing

11/2019 — Present

Kaggle

Remote

- **Created Notebooks** for Beginners in Machine Learning or Deep Learning to get started in their career.
- **Participated in Competitions and Hackathons** for self-development and for building new connections.
- Performed **Contributing in Discussion Communities** to help those who get stuck in some topic.

## AREAS OF EXPERTISE

- Machine Learning
- Data Analysis
- Web Development
- Deep Learning
- Statistics
- Finance

## SKILLS

<b>Programming Languages</b>	Python, SQL, C, C++
<b>Machine Learning</b>	Tensorflow, Keras, Pandas, Numpy, Sklearn, Seaborn, Matplotlib
<b>Data Analysis</b>	SQL, MS-Excel, Data Cleaning, Data EDA, Tableau
<b>Deep Learning</b>	Image Processing, Signal Processing, Audio DL, Auto Encoders, Transfer Learning
<b>Deep Learning Models</b>	ANN, CNN, RNN, LSTM, Sequence to Sequence Models
<b>Other</b>	Git, Flask, HTML, CSS, Visual Studio

## EDUCATION

**Bachelors of Technology, Computer Science**, Thapar Institute of Engineering and Technology, GPA: 8.6/10

07/2018 — Present

**High School**, Maa Bharti Public School, Percentage: 84

05/2016 — 05/2018

## ACADEMIC PROJECTS

### Extent of Damage prediction using Remote Sensing Satellite Image Data [LINK]

04/2021 — 06/2021

- Predicting **Extent of Damage** of Buildings and Public Properties from Before and After **Disaster Satellite Images**.
- The process includes **Data Collection, Data Preprocessing, Building Model Pipeline, Model Training and Model Evaluation and Testing**.
- **Created a Mathematical Function** which maps categorical Labels to Regression Labels. The Task is Classified into 4 Categories (No-Damage, Minor-Damage, Major-Damage and Destroyed).

### Disaster Management System [LINK]

02/2021 — 04/2021

- Image Classification which Includes **Images Fetching, Pipeline Building, EDA and Image Preprocessing**.
- Used **Pretrained Transfer Learning Models** have been used fine tuned for achieving desired accuracy. and Testing.
- Created model **breaks all the benchmarks** of previously existing Disaster Management Models.

## ACHIEVEMENTS

### June Leetcoding Challenge [LINK]

- Practicing Straight 30 days on leetcode platform, solving variety of problems on Data Structures and Algorithms (**150 problems solved in Total and Counting...**).

### Disaster Management System Implementation to be Published

- Disaster Management System Implementation Paper about to be send for publication.