# NIKHIL DUGAR

## MACHINE LEARNING ENGINEER


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Website github.com/NIKHILDUGAR


## SKILLS

**Tensorflow, Python, HuggingFace, SQL, Scikit-Learn, Selenium, OpenCV, Beautiful Soup, Google Cloud Platform**

## WORK EXPERIENCE

### Machine Learning Engineer(Contract)

**Personabo** (Oct 2021 to Present)

- Worked on improving the Conversation-Objective checking using Deberta models via HuggingFace.
- Made multiple datasets for the company using real-world data from the users.
- Improved existing system's accuracy by around 10% through finetuning Zero-shot models over multiple datasets.

### Software Developer Intern

**BigBasket** (January 2021 to July 2021)

- Learned software engineering process made multiple improvements while following best practices.
- Upgraded and added APIs to maintain smooth-running systems for the upcoming systems.
- Collaborated effectively with members of the software development team and personnel in other departments.

## EDUCATION

### NIIT UNIVERSITY

Bachelor of Technology, CSE, June 2017 - July 2021

- GPA: 7.86
- Specialisation - Artificial Intelligence

## PROJECTS

- **Image captioning** program using Encoder-Decoder model (Python) A python based application that takes an image as input and outputs a caption using RNN for text generation.
- **Job Scraper** (Python, Selenium) A solo python based application that takes skill/type of job as input and a location of the job (optional) to search and parse through all the results on sites like naukri.com, monster.com, and indeed.com. (Available on my Github.)

- **Fraudulent website detector** (Python, SkLearn, Flask) This project is a web app wherein a user can add a URL and get to know if that site is unsafe. I employed a Logistic Regression model that uses 14 traits of fraudulent websites for detection and is easily scalable to add more features. (Available on my Github.)
- **Image Dataset Maker**(Python, bs4, selenium) This program uses web scraping to download images from google image search instantly and can be helpful in making image datasets. This uses bs4 and Selenium to scroll the webpage and get more images. (Available on my Github)

## CERTIFICATIONS

- **Machine Learning** - Learned about basic Machine Learning algorithms and intuitions regarding the same through implementing them on Matlab.
- **Deep Learning Specialization** on Coursera - Learn various basic Deep learning techniques. Practiced- Hyperparameter Tuning, Regularization, and Optimization Gained insights on CNN and RNN models.
- **Python for Data Science** course by Swayam - Learned about NumPy, pandas, and sklearn through multiple Case studies.
- **Convolutional Neural Networks in Tensorflow** - implementing a CNN while learning about Tensorflow's various functionalities.
- **Natural Language Processing in TensorFlow** - Building various text and speech-related RNN, GRU, and LSTM models, Like Sentiment Analysis and Sarcasm Detection.