

# Nikhil Dugar

## Machine Learning Engineer

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I am an enthusiast of Machine Learning and Natural Language Processing. I have previously worked at Personabo and BigBasket. I am a positive force in the workplace and use my ever-learning and tireless attitude to succeed. In my free time, I enjoy working on myself.

### Experience

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#### Personabo

Junior Machine Learning Engineer

Oct 2021 - Mar 2022

- Fine-tuned multiple DeBERTa models to improve the system's performance and give users correct results.
- 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.

#### Bigbasket

Software Developer Intern

Jan 2021 - Jul 2021

- Collaborated effectively with members of the software development team and personnel in other departments.
- Part of the team building the next phase of the BigBasket's technology BB2.0, by rewriting the core functionalities as highly configurable, reliable, and available microservices to incorporate dynamic business decisions and an ever-growing customer base. Working on resolving various issues while learning the multiple technologies involved.
- Learned software engineering process made multiple improvements while following best practices.
- Upgraded and added APIs to maintain smooth-running systems for the upcoming systems.

### Skills

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#### Python

Scikit-Learn, Numpy, Pandas, SQL, bs4, Selenium

#### Machine Learning

Computer Vision, Tensorflow, Pytorch, OpenCV, NLP, HuggingFace

### Education

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#### NIIT University

BTech in Computer Science and Engineering, 7.86

May 2017 - Jun 2021

- Primarily focused on learning Artificial Intelligence, Computer Vision, Natural Language Processing.

### Projects

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#### Image Dataset Maker

Feb 2021 - Feb 2021

None

[github.com/NIKHILDUGAR/Google-Image-Scraper](https://github.com/NIKHILDUGAR/Google-Image-Scraper)

- 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.

#### Job Scraper

Jun 2020 - Jun 2020

None

[github.com/NIKHILDUGAR/JobsParser](https://github.com/NIKHILDUGAR/JobsParser)

- Job Scraper (Python, Selenium) is 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.

#### Image Captioning

Feb 2020 - May 2020

None

- Image captioning program using Encoder-Decoder model (Python) is a python based application that takes an image as input and outputs a caption using RNN for text generation.

#### Fraudulent website detector

Apr 2020 - Apr 2020

None

[github.com/NIKHILDUGAR/SVN](https://github.com/NIKHILDUGAR/SVN)

- 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.
- This was a project built in a 48 hour hackathon.