

# NITYA SHAH

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## WORK EXPERIENCE

### Advantmed India LLP

05 2023 – 08 2023

*Data Science Intern*

*Ahmedabad, Gujarat*

- As part of my internship, I completed a project on Image to Text Conversion Using OCR, utilizing EasyOCR, TesseractOCR, and KerasOCR with the FUNSD dataset and the performance of models were evaluated on the basis of accuracy, precision, recall and F1-score.
- Another project during my internship focused on Named Entity Recognition (NER), using BERT and CRF on the N2C2 2009 clinical dataset. This NER project aimed to accurately identify and classify clinical entities, demonstrating strong skills in medical information processing.

### BISAG-N

06 2022 – 07 2022

*Project Intern*

*Gandhinagar, Gujarat*

- The project aims to classify handwritten digits (0-9) using a CNN to accurately recognize and categorize digits from images of handwritten text.
- It utilizes the MNIST dataset, and implements a CNN with layers including convolutional, max-pooling, dropout, and dense layers to learn features from images and make predictions, achieving high accuracy on the test set.

## EDUCATION

### Karnavati University - USCI

09 2021 – 05 2024

*B.Sc.(Hons.)CS with specialization in Data Science*

*Gandhinagar, Gujarat*

## SKILLS

### Languages and Tools

Python, MySQL, Git, Github, Excel

### Libraries and Frameworks

NumPy, Pandas, Matplotlib, Seaborn, sk-learn, Tensorflow

### Data Pre-Processing

Data Gathering, Data Cleaning, EDA, Feature Engineering  
Feature selection and Extraction

### Data Science

Machine Learning (Supervised and Unsupervised algorithms), Deep Learning  
(Neural Networks), NLP

### Mathematics

Statistics, Probability, Linear Algebra metrics

## PROJECTS

### Implementation of ML website and its deployment |

- The ML project involved deploying a machine learning model into a web application using a CI/CD pipeline, with GitHub Actions managing the automated deployment process for efficient and reliable updates.

### Streamlit Recipe Generator Web App |

- The Food Recipe Generator converts YouTube videos into detailed recipes by extracting audio, transcribing it with the Whisper model, and generating recipes using GPT-3. This app provides users with comprehensive recipes based on the content of cooking videos.

### Emotion Detection Using CNN |

- The project employs CNNs to classify emotions from facial images. Leveraging advanced models like VGG16 and ResNet50V2, the project includes image preprocessing, model training with various callbacks, and evaluation using metrics like confusion matrices and ROC curves to achieve high accuracy in emotion recognition.

## LEADERSHIP EXPERIENCE

### Karnavati University - USCI

11 2021 – 11 2022

*Chairperson - FOSS Club*

- Conducted a workshop on Power Of Open Source Software by REDHAT.

## CERTIFICATIONS

- Data Science and Machine learning A-Z: 90 Hours: Udemy

- Deep Learning: Simplilearn