

# Heet Shah

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## EDUCATION

### NIRMA UNIVERSITY

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE  
AND ENGINEERING - GPA: 8.5/10  
Expected May 2021 | Ahmedabad, Gujarat, India

## WORK EXPERIENCE

### MEDITAB SOFTWARE PVT. LTD. | DOSEPAKER - MACHINE LEARNING INTERN

Nov 2019 - May 2020 | Ahmedabad, Gujarat, India

- Project includes Automation of seal packing - building of Machine brain that can identify pills-different types of tabs inside the box, how many pills are there, location of those pills, classification and masking of those pills.
- Tedious task is to form a Generalized Feature Extractor that can adapt new classes Dynamically at run time.

### INFIVOLVE INC. | VIRTUAL EXERCISE TRAINER May 2020 - July 2020 | United States (Remote Work)

- Task is to construct a reliable virtual Exercise Trainer which can classify different types of exercise in Real time, different body key points identification and pose estimation, telling about dominant body arm or part and give a proper feedback according to them to correct it.

### COMPUTER SOCIETY OF INDIA (CSI) | Ahmedabad, Gujarat, India

- Public Relation Officer (Core Member) | November 2019 - Present
- Group Member | June 2018 - October 2019

### CAMPUS LEAD: SCALER ACHIEVER CLUB | INTERVIEWBIT March 2020 - Present

- To make a user-friendly environment for coding on various campuses, being the part of the scaler achiever club, the responsibility is to make awareness of the activity driven by the finest product of an InterviewBit.

## SKILLS

### TECHNICAL SKILLS

Proficient with:

C • Java • Python • MatLab • Octave  
Numpy • Pandas • Scipy • Matplotlib • Sklearn  
Tensorflow • Keras • Pytorch  
Git • AWS • Heroku • Flask  
HTML • CSS • JavaFX • Swing • Linux

Familiar with:

C++ • JavaScript • Blockchain • Crypto Currency

### SOFT SKILLS

Leadership • Public Speaking

## RESEARCH GROUP

### DEEP LEARNING RESEARCH GROUP, NIRMA UNIVERSITY | MEMBER AMONGST 20

January 2019 - Present

- Work in different domain, Explore different Research Paper and Real Life Problems solution using Deep Learning || Under Dr. Priyank Thakkar

## PROJECTS

### KINSHIP RELATIONSHIP IDENTIFIER | kaggle Competition | May 2019 - July 2019

- Kinship Relationship - To predict whether two persons are BLOOD RELATED or not using Face photos.
- Accuracy : 90% on Test data (Even humans find it difficult to predict kinship relationship)

### HACKATHON | Ingenious Hackathone | IEEE | Ahmedabad University | March 2019 | March 2020

- Research Paper Necessary Details Extraction : Abstract, Author name, Title, Summary | NLP, SpaCy, OCR
- Disease diagnosis: Provide a generalize diseases (130) detector from the Symptoms | ML-DL, Database, Flask

### HUMAN EMBRYO AUTOMATION (IVF TREATMENT) | June 2019 - December 2019 NOVA IVF HOSPITAL, AHMEDABAD

- Right now Human Embryo Grading is a manual process and it's varied from person to person with different types of grading technique. So the Aim is to provide Embryo Grading System, which is more robust and generalized with maximum Accuracy.

### CUSTOM DATA OBJECT DETECTION | May 2019

- Project includes Custom object detection which are not present in COCO-80 classes. Dataset Preparation : Google Images are Bounded by YOLO ANNOTATION TOOL. Model was trained from the scratch with YOLOv3 model configuration file.

### TOXIC PART OF COMMENT | April 2020 BERT - ROBERTA MODELS

- The Sentiment Classification from comments is an elementary project, But more importantly need to understand that which part of comment is responsible for the particular classification.
- Project involves extraction Toxic part of comment phrases using BERT/RoBERTa Models.

### RESUME MANAGEMENT PORTAL | January 2020 PYTHON FUNCTIONALITY | FAST-API | HTML | CSS

- The Portal will Rate Resumes in 10 scale and matches skilled candidate as per the company requirements.