

# SAVAN VISALPARA

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## EDUCATION

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### The University of Texas at Dallas

Aug 2019– Dec 2021 (anticipated)

*Master of Science in Computer Science (Intelligent Systems)*

### Gujarat Technological University (B.E in Computer Engineering)

Aug 2014 - June 2018

- Awarded “Dewang Mehta IT Award” and “Academy Excellence Award”.
- Founding member of BitFrames Club which arranges CS events and workshops.
- Participated in multiple state, district-level hackathons and coding competitions.

## WORK EXPERIENCE

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### Onepanel Inc. ( Machine Learning Engineer Intern )

San Francisco, CA

June 2020 – Present

- Working on a deep learning models to detect damage caused by rhinoceros beetles on coconut trees.
- Adding new features to existing computer vision annotation tool on Onepanel.
- [Python, Django, Tensorflow, Docker, Kubernetes]

### Geeky Bee AI PVT LTD ( Software Developer (Machine Learning) )

Ahmedabad, India

July 2018 – Aug 2019

- Played a key role in developing computer vision-based exercise classification and counting software.
- Developed multiple object detection/segmentation and image-based re-localization models (SLAM).
- Improved models' inference speed using tools like TensorRT and quantization.
- [PyTorch, TensorFlow, OpenCV, Flask, Django, NLTK, spaCy, AWS]

## PUBLICATION

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### Empowering Visually Impaired People using Deep Learning

IJSART 2018

Savan Visalpara, Kashyap Raval, Prof. Ajay T. Shah

## SKILLS

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**Programming Languages:** Python, C/C++, Java, PHP, JavaScript, SQL

**Frameworks/Tools:** Git, Docker, Django, Linux, PyTorch, TensorFlow, OpenCV, Sci-kit Learn, spaCy, NLTK, MySQL, CUDA

## RELEVANT PROJECTS

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### ThirdEye: Vision for Everyone

Jan 2018-July 2018

Trained and deployed image captioning model on Raspberry PI which can help visually impaired people by generating narration for their surroundings. This project was awarded the best project award during the annual project fair at Alpha College of Engineering and Technology. [Python, TensorFlow, Keras]

### Image-based Relocalization using Deep Learning

Jan 2018-July 2018

Implemented and studied state-of-the-art models in re-localization (i.e MapNet, PoseNet). Also, optimized MapNet model by using ideas from U-Net architecture. [Python, PyTorch]

### Multiple Emotion Detection from COVID-19 Related Text using BERT

April 2020

As part of the NLP class, annotated COVID-19 related text and trained a BERT-based text classification model to identify multiple emotions from the given text.

### Vocabulary Master

Nov 2015

Developed a GUI app, chrome extension, and a web app which help users master new words easily and efficiently. Used Java and JavaFX framework to build a GUI app, used JSP and JDBC for a web app. [Java, JSP, JavaFX]

### Udacity Self-Driving Car Nanodegree

April 2019 – June 2019

I was awarded Udacity KPIT Autonomous Tech Scholarship for the Self-Driving Car Nanodegree Term-1, where I worked on projects such as Lane Detection, Traffic Sign Classification, Behavior Cloning. [Python, Keras, OpenCV, C++]