SAVAN VISALPARA

https://savan77.github.io
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EDUCATION

The University of Texas at Dallas Aug 2019–May 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

Geeky Bee AI PVT LTD *(Software Developer (Machine Learning))* 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.
- Improved models' inference speed using tools like TensorRT and quantization.
- *[PyTorch, TensorFlow, OpenCV, Flask, Django, NLTK, spaCy, AWS]*

GTU Innovation Council *(Student Associate (IT))* June 2016 – Feb 2017

- Managed IT infrastructure of GIC and various CS events for GTU students.

PUBLICATION

Empowering Visually Impaired People using Deep Learning IJSART 2018
Savan Visalpara, Kashyap Raval, Prof. Ajay T. Shah

SKILLS

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

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. *[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. [PyTorch]

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. *[Keras, OpenCV, C++]*

Malicious URL Detection using Machine Learning June 2017
Explored several machine learning algorithms such as SVM and Random Forest to classify given URL. Gathered and open-sourced custom dataset for this task.