

SAVAN VISALPARA

<https://savan77.github.io>

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EDUCATION

Gujarat Technological University

Aug 2014 - June 2018

B.E. in Computer Science & Engineering

Gandhinagar, India

- CGPA: **9.16/10**
- Awarded "Dewang Mehta IT Award" for my performance in Computer Science as an undergraduate.
- Awarded "Academic Excellence Award" in 2017.
- Awarded "Tuition Fee Waiver Scheme" for the entire duration of my undergraduate program.
- Founding member of BitFrames Club which arranges CS events and workshops.

WORK EXPERIENCE

Geeky Bee AI PVT LTD

April 2019 - Present

Software Developer (Deep Learning)

Ahmedabad, India

- Developed computer vision-based exercise classification and counting software.

Techno Samarthyam

July 2018 – March 2019

Software Developer (Deep Learning)

Ahmedabad, India

- Developed multiple object detection/segmentation and image-based re-localization models.

GTU Innovation Council

June 2016 – Feb 2017

Student Associate (IT)

Ahmedabad, India

- 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++, Java, PHP

Libraries: PyTorch, TensorFlow, Keras, OpenCV, NumPy, Matplotlib, Sci-kit Learn, spaCy, NLTK

SELECTED PROJECTS

Image-based Localization using Neural Networks

Aug 2018

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

ThirdEye: Vision for Everyone

Jan 2018-July 2018

ThirdEye is an AI-powered device that uses deep learning techniques such as image captioning to help visually impaired people understand their surroundings better than before. This project was awarded the best project during the annual project fair at Alpha College of Engineering and Technology. *[TensorFlow, Keras]*

Malicious URL Detection using Machine Learning

June 2017

Explored several machine learning models such as SVM and Random Forest to identify malicious URL. Gathered and open-sourced my own dataset for this task. *[Sci-kit Learn, Pandas, NumPy]*

Emotion and Sentiment Detection from Text using Machine Learning

March 2017

Studied and implemented several machine learning models (Decision Tree, RNN) which can detect an emotion/sentiment from text. *[Sci-kit Learn, Pandas]*

Shape Recognition using Convolutional Neural Network

June 2018

Developed and fine-tuned a CNN for the task of Shape Recognition (in an image). *[PyTorch]*

Vocabulary Master

Nov 2015

Developed a GUI app, chrome extension, and a web app to 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. Chrome extension can be used for practice. *[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, and Sensor Fusion. *[Keras, OpenCV, C++]*

Others

The list of my mini-projects includes movie recommendation system using item-based collaborative filtering, SEO analyzer (Python), Face Generator using DCGAN (PyTorch), and many machine learning models trained on various datasets for exploration purposes.