SAVAN VISALPARA

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EDUCATION

BACHELOR OF ENGINEERING
(Aug 2014 – June 2018)

ALPHA COLLEGE OF ENGINEERING AND TECHNOLOGY
Earned B.E in computer engineering with distinction.
CGPA: 9.09/10

EXPERIENCE

DEEP LEARNING ENGINEER
(July 2018 - Present)

TECHNO SAMARTHYAM
As a Deep Learning Engineer, I develop deep learning models for computer vision problems.

STUDENT ASSOCIATE (IT)
(June 2016 – Feb 2017)

GTU INNOVATION COUNCIL
We were responsible for the maintenance of IT infrastructure of GIC and management of various IT related events for GTU students.

SPEAKER and VOLUNTEER
(Jan 2016 – June 2018)

BitFrames Club, Alpha College of Engineering and Technology
I with my team arrange/conduct various IT field related events such as workshop on machine learning and Python.

AWARDS

- Academic Excellence Award – 2017 by Alpha College of Engineering and Technology
  - Awarded an academic excellence award for my performance in 2016-17 (academic year)
- Dewang Mehta IT Award – 2017
  - Awarded an excellence award for my performance in Computer Science (during B.E)

PUBLICATIONS

- Empowering Visually Impaired People using Deep Learning- In *International Journal of Science and Applied Research Technology*. Volume 4, Issue 2, February, 2018. (https://goo.gl/8V61cD)

SELECTED PROJECTS

ThirdEye: Vision for Everyone
ThirdEye is an AI-powered device (i.e Glasses) that uses machine learning technique such as image captioning to help visually impaired people understand their surroundings better than before. Basically, this device narrates

the surroundings for the users and assists them in case of vague narration/caption. This project was awarded as the best project during the annual project fair at Alpha College of Engineering and Technology. [TensorFlow, Keras, SciPy stack libraries]

Malicious URL Detection using Machine Learning
Trained several machine learning models to identify malicious URL. I created my own dataset for this task. (scikit-learn, numpy, pandas)

General Purpose Chatbot using seq2seq model
Trained a seq2seq (LSTM cell) model using TensorFlow framework on Twitter dataset to build a general purpose chatbot. (TensorFlow)

Emotion Detection from Text using Machine Learning
Trained a machine learning model which can detect an emotion from a text. (Python, Pandas, Scikit-learn)

Face generator using DCGAN
Implemented a DCGAN model to generate human faces. (TensorFlow)

Vocabulary Master
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 web app. Chrome extension can be used for practice.

Web App to store records of dis-abled students
Developed a web app using PHP, HTML and JavaScript to store records and display it as part a hackathon.

Mini-Projects
The list of my mini-projects includes movie recommendation system using item-based collaborative filtering, SEO analyzer(Python), and many machine learning models trained on various datasets.

PROGRAMMING SKILLS

Languages: Python, C, C++, Java, Javascript
Frameworks/Libraries: TensorFlow, PyTorch, Keras, OpenCV, Scikit-learn, Numpy, Pandas, Matplotlib, NLTK, Spacy, OpenAI Gym
Version Control: Git
Databases: MySql, SQLite
Frontend: HTML, CSS, Javascript, JQuery, Bootstrap
Backend: PHP

MOOCs

- Deep Learning Specialization by deeplearning.ai (First 3 courses) (Coursera)
- Python Specialization by University of Michigan (Coursera)
- Python for Data Science by Microsoft (Edx)
- Deep Learning with TensorFlow (CognitiveClass.ai)
- Machine Learning- Dimensionality Reduction (CognitiveClass.ai)
- Fast.ai's courses on Deep Learning
- CS231n 2016, CS224d 2016, and CS224n 2017 by Stanford