Prajwal Kumar Singh

Personal Information

Address

S2/431-A Sikroul Colony, Bhojubeer, Cantt
Varanasi – 221002 (Uttar Pradesh, India)

Email

prajwalrishabh@gmail.com

Github

prajwalsingh.github.io

Linkedin

linkedin.com/in/prajwalsingh15

Language

Hindi, English

Technical Skills

Programming Language

- C : Intermediate
- Python : Intermediate
- C++ : Basic

Database Language

- MySql : Basic

Tools and Libraries

- OpenCV
- Numpy
- Tensorflow

Research Interest

- Computer Vision
- Machine Learning

Achievement

- Secured 98.69 percentile in GATE 2019.

Extra-Curricular Activity

Participate in Online Competitive Programming on Platform CodeChef and Hackerearth.

Carrier Objective

To pursue graduate studies in computer science and engineering, leading to a career in research.

Education

		CPI/Percentage
2019-Present	**M.Tech (CSE), IIT Gandhinagar**	**8.89**
2014-2018	**B.Tech (CSE), LPU Punjab**	**8.78**
2013-2014	**XII (CBSE), Kendriya Vidyalaya 39 G.T.C**	**78.2%**
2011-2012	**X (CBSE), Kendriya Vidyalaya 39 G.T.C**	**8.6**

Training

Sep 2017-Oct 2017 (Online) **(NPTEL) Programming, data structures and algorithms using python**

Apr 2020-Jun 2020 (Online) **(Coursera) Deep Learning Course**

M.Tech. Thesis — Advisor: Dr. Shanmuganathan Raman

Jun 2020-Present **Generating X From The Embedding of Images And Text**

- This work is about generating images based on the embedding of given text and also generating 3D point cloud shapes based on the embedding of single view image.
- Another purpose of this work is to experiment with deep learning models that can generate information preserving embedding's for images and texts.

Publications

Jan 2021 **APEX-Net: Automatic Plot Extractor Network** [Arxiv Pre-print]
Authors Aalok Gangopadhyay, Prajwal Singh, Shanmuganathan Raman

Jan 2021 **HDIB1M - Handwritten Document Image Binarization 1 Million Dataset** [Arxiv Pre-print]
Authors Kaustubh Sadekar, Prajwal Singh, Shanmuganathan Raman

Projects

Jun 2020-Jul 2020 **Graph Based Image Segmentation**
This project is based on research paper "Efficient Graph-Based Image Segmentation" by Felzenszwalb et.al. Purpose of this project is to use traditional computer vision approach to solve the problem of image segmentation.

Mar 2020-Jun 2020 **Visual Object Tracking (Group Project)**
This project is based on fully convolutional siamese network for object tracking research paper. Purpose of this project is to understand working of visual tracking network and find some new method or approach for object tracking.