

SHOBHIT TULI

3rd Year ECE Undergraduate

@ shobhittuli50@gmail.com +91-8077759392 Bangalore, India
https://github.com/Shobhit-09/S9

EDUCATION

B.Tech in Electronics and Communication

PES University

Aug 2017 – Present CGPA - 8.63/10.0

St. Clare’s Senior Secondary School (Class XII CBSE)

Agra, Uttar Pradesh

July 2014 – May 2016 Percentage - 90.2%

PROJECTS

Deep Learning Classifier to detect acute infarct [Brain malformation disease]

April 2020

- Detecting the acute infarcts present inside the brain by building a CNN model, giving augmented images as input and then running the inference for testing the accuracy using Intel OpenVINO Framework.

Web traffic time series forecasting

Dec 2019

- Time series analysis by using the Web Traffic Time Series Forecasting dataset by Google to predict future traffic of Wikipedia articles. We have implemented 5 models for time series prediction like SARIMAX, RNN and LSTM based model, Adaboost Regressor, Gradient Descent Regressor and Random Forest Regressor.

Object detection in twilight or night-time conditions

Present

- We used YOLO and SSD fine tuned for our purpose. We did a comparative study between RCNN and YOLOv3 and SSD for object detection in twilight.

Stock Market prediction using R Programming

Apr 2018

- Data Analysis and Prediction of Stock Market using statistical and graphical analysis along with Data Science concepts like regression, time series and histogram plots.

Street Lights that Glow on Detecting Vehicle Movement

Mar 2019

- Automatic turning off and on of traffic lights using 8051 microprocessor, IR sensors and receivers.

Template Matching using Maximization of cross-correlation

Nov 2019

- Using the given pictures, a particular template is detected from the entire image by comparing each pixel using different concepts of Image Processing via MATLAB Tool.

ACHIEVEMENTS

- CNR Rao Merit Scholarship awarded for being amongst the top 20 percent in the Department. [2nd Sem]
- Prof. M R Doreswamy Merit Scholarship awarded for being amongst the top 20 percent in the Department. [5th Sem]
- Distinction Award in PESU I/O Project in Robo Sapiens. [2nd Sem]

SKILLS

Artificial Neural Network Machine Learning
Data Analytics Computer Vision
Database Management C++ Python
Operating System

FIELD OF INTEREST

- Artificial Intelligence
- Deep Learning
- Web Technology
- Robotics

COURSEWORK

- Data Structure [Minors,CSE]
- Design and Analysis of Algorithms [Minors,CSE]
- Operating Systems [Minors,CSE]
- DBMS [Minors,CSE]
- CERTIFICATE OF TRAINING : Core Java [Internshala]
- Practical Approach to Deep Learning using Hardware Accelerator and Software Framework - Special Topic

EXTRA-CURRICULAR

Organiser

Samarpana-An event to honor the martyr of the Indian Defense Forces at PES University

Jan 2020 – March 2020

Volunteer

Epsilon-Inter College Science Fest at PES University

2017-18

Internshala Student Partner

Student Partner 9.0

Jan 2017– May 2017