

# Shravan Chandra

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## SKILLS

### LANGUAGES

•Python •C/C++ •HTML/CSS  
•JavaScript •MATLAB •R  
•PostgreSQL • $\text{\LaTeX}$

### ML LIBRARIES

•PyTorch •TensorFlow •Keras  
•NLTK •OpenCV •Scikit-Learn  
•XGBoost •Numpy •Pandas

### MISC. TOOLS

•Jupyter Notebooks •AWS •Git  
•Collab •Linux •Microsoft Office

### SOFT SKILLS

•Communication •Problem Solving  
•Analytical Thinking •Team Work

## LINKS

Github:// shravnchndra  
LinkedIn:// shravnchndr

## EDUCATION

### PES UNIVERSITY

#### B.TECH IN EEE

May 2021 | Bangalore, India  
CNR Rao Scholarship Awardee  
Minored in Computer Science  
Minor GPA: 9.0 / 10.0  
Major GPA: 8.5 / 10.0

### NARAYANA PU COLLEGE

Pre Grad. May 2017 | Bangalore, India  
Percentage: 96%

### MAHARSHI PUBLIC SCHOOL

CBSE. April 2015 | Mysore, India  
GPA: 9.0

## COURSEWORK

Machine Learning & Deep Learning  
Probability & Statistics  
Reinforcement Learning  
Data Structures & Algorithms  
Web Development  
DBMS

## MISC ACTIVITIES

Organizer of Epsilon-2018  
Amateur Guitarist & Singer  
Volunteered for Blood Donation Camps

## ABOUT ME

- Recognized to be an agile learner and resourceful, I enjoy confronting daring projects, thrive on getting the best efficiency in everything I do.
- Managed an assigned team to analyze, develop, and deploy machine learning models. We implemented various methods like Linear/Logistic Regression, SVM, XGBoost, and Neural Networks, to solve problems such as Stock Prediction, and Movie Recommendation System.
- Routinely engaged in discovering new methods and models as I expand my expertise and value within the domain of Machine Learning and Computer Science.

## EXPERIENCE

### CDSAML | RESEARCH INTERN

Oct 2019 – July 2020 | PES University, Bangalore

- Worked on improving Twitter Sentiment Analysis performance by using NLTK's Parts of Speech and saw a 5% improvement in accuracy .
- Built an Object Recognition model for Low-Light Conditions as part of the Intel Competition and was placed in Top 3.

## RESEARCH & PROJECTS

### TWITTER SENTIMENT ANALYSIS | RESEARCH

Oct 2019 – Dec 2019 | PES University, Bangalore

Worked on Analysis of Sentiments using Parts of Speech tagging to remove certain tags of speech which reduced computational time and improved efficiency. Also, implemented the bag of words from scratch. The project can be found [here](#).

Tools Used: •NLTK •Keras •Python •Jupyter Notebook

### OBJECT RECOGNITION IN NIGHT-LIGHT CONDITIONS | RESEARCH

Feb 2020 – July 2020 | PES University, Bangalore

Implementation of Object Recognition model on Night Light images by enhancing the image using Zero-DCE first, and then pass it through an object detection model YOLO, both built using PyTorch. The image is first checked if enhancement is required before passing through the image enhancer. The project can be found [here](#).

Tools Used: •OpenCV •PyTorch •Python

### DATA ANALYSIS OF VARIOUS DATASETS | RESEARCH

Sept 2020 – Present | PES University, Bangalore

Playing with data can be a lot of fun if you know the tools well. Not only can we extract lots of resourceful information, but we can also let our creativity flow out and visualize in beautiful ways. This project is just for that. In this research/project, various datasets explored, significant features are extracted, and then contemplated elegantly. The project can be found [here](#).

Tools Used: •Python •Pandas •Matplotlib/PyLab •R

### SIGN LANGUAGE TRANSLATOR | RESEARCH

Sept 2020 – Present | PES University, Bangalore

Working on a real-time black-box translator, which can identify the hand signs and interpret it to any desired language. This is achieved by using CNN to first identify the patterns and gestures, and then using RNN to construct meaningful sentences. All this will be finally integrated with a Raspberry Pi for modularity and portability.

Tools Used: •OpenCV •TensorFlow •Python