

# Shravan Chandra

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## SKILLS

### LANGUAGES

Python	PostgreSQL	HTML
C	MySQL	CSS
C++	R	JavaScript
Java	MATLAB	LaTeX

### MACHINE LEARNING LIBRARIES

PyTorch	NLTK	XGBoost
TensorFlow	OpenCV	Matplotlib
Keras	Scikit-Learn	SciPy

### MISCELLANEOUS TOOLS

Jupyter	AWS	Collab
Excel	Git	Linux

### SOFT SKILLS

Analytical Thinking	Team Work
Problem Solving	Leadership
Communication	Adaptability

## LINKS

Github:// [shrvnchndra](#)  
LinkedIn:// [shravanchnr](#)

## 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: 8.6 / 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  
DataBase Management System

## MISC ACTIVITIES

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

## ABOUT ME

- Hard-working, self-taught programmer with a flair for creating elegant solutions in the least amount of time, and experience to design and develop programs using the latest and most appropriate technology.
- Managed an assigned team to analyze, develop, and deploy machine learning models. We implemented various Machine Learning methods to solve problems such as Stock Price Prediction, and Movie Recommendation System.

## 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 | [Project Link](#)

- Worked on Analysis of Sentiments using Parts of Speech tagging which reduced computational time and improved efficiency.
- Implemented the bag of words from scratch.
- Tools Used: •NLTK •Keras •Python •Jupyter Notebook

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

Feb 2020 – July 2020 | PES University, Bangalore | [Project Link](#)

- Developed an end to end object detection model using Zero-DCE and YOLOv3.
- Implemented an image brightness checker to avoid image distortion by gratuitous enhancement.
- Tools Used: •OpenCV •PyTorch •Python

### DATA ANALYSIS OF VARIOUS DATASETS | PROJECT

Sept 2020 – Present | [Project Link](#)

- Successfully interpreted data of various datasets to extract relevant data, and working on more.
- Represented the extracted data in an eloquent, yet alluringly manner.
- Tools Used: •Python •Pandas •Matplotlib •Pylab •R

### SIGN LANGUAGE TRANSLATOR | RESEARCH

Sept 2020 – Present | PES University, Bangalore

- Developing a real-time translator, which can identify the hand signs and interpret it to any desired language.
- Implementing CNN to identify the patterns and gestures, and later RNN to construct meaningful sentences.
- Tools Used: •OpenCV •TensorFlow •NLTK •Python

### RELAXATION WEB APPLICATION | PROJECT

July 2020 | [Project Link](#)

- Built a web application with timer and music control.
- The application lets the user to choose between different environments, which also changes the image and music to match with.
- Tools Used: •HTML •CSS •JavaScript