

# Anega Maheshwari

Seeking a challenging environment to learn, explore and apply my skills towards employer interests and enhance my skill-set for deeper understanding in the subject (Computer Science). With a decent academic record, I assure of a sincere effort and look forward to thriving opportunities.

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## INTERNSHIP EXPERIENCE

### Allgo Embedded Systems Private Limited, Bangalore — Driver Monitoring System (Emotion Detection)

MAY 2019 - JULY 2019

- Advanced face tracking technology for camera-based driver monitoring.
- Face detection & facial emotion recognition using OpenCV & Keras(TensorFlow backend).
- Support for faces with different ethnicities, genders, age, expression, partial occlusion, illumination & multiple face angles.
- Supports eyes wearing glasses, contact lenses, non-IR blocking sunglasses.

## EDUCATION

### Jaipur Engineering College & Research Centre, Jaipur — B.Tech. (Computer Science)

2016 - 2020

82.33% (CGPA - 8.98)

### DAV Centenary Public School, Ajmer — Higher Secondary Education

2015 - 2016

90.40%

### All Saints Sr. Sec. School, Ajmer — Secondary Education

2013 - 2014

10 CGPA

## ACADEMIC PROJECTS

### Emotion Detection

- IR and RGB cameras based AI solution using deep learning techniques.
- Provides real-time face detection & tracking to give enhanced in-car user experience through advanced personalization.
- Includes IR data collection, image preprocessing & data augmentation.
- Training & evaluating the model & predicting results for test data with decent accuracy.
- Implementing live testing for facial emotion recognition.

### Autoencoders

- The project aims to implement image denoising, image reconstruction, reverse image search & semantic segmentation using autoencoders as simpler version of neural networks.
- Use libraries such as Keras, Numpy, Matplotlib, Scikit-Learn and OpenCV.
- Django web framework is used for deploying deep learning models to a web app.
- Combines deep learning skills with practical web development.

### Child Care Portal

This portal is made for the government to have the data of all the Child Care Institutions, Child Welfare Committees, adoption of children, donations & lost-found children cases online at one place.

### Python Django Web Development To Do App

A To-Do list app that lets users make lists & save them to a database. The users can add, delete, cross & uncross their to-do items in the list.

### User Authentication Web App with Python & Django

A User Authorization app that lets users sign up (register) for the site, log in, log out, edit their profile, & change their passwords.

## RELEVANT SKILLS

- Python ● C ● HTML ● C++
- Cascading Style Sheets (CSS)
- Convolutional Neural Networks
- Data Structures ● OOP Concepts
- Bootstrap ● Django

## RESEARCH PAPER

### Autoencoders

A conference paper presented in 2nd National Conference on the Contemporary Issues in Computer Technology (NCICT-2020) held at JECRC.

## CERTIFICATIONS

### Deep Learning Specialization (by deeplearning.ai on Coursera)

### Introduction to Data Science Specialization (by IBM on Coursera)

### IBM Data Science Specialization (by IBM on Coursera)

### Python Programming Specialization (by University of Michigan on Coursera)

### Convolutional Neural Network in Tensorflow (by deeplearning.ai on Coursera)

### Launching into Machine Learning (by Google Cloud on Coursera)

### Programming, Data Structures & Algorithms using Python (NPTEL Online Certification)

### Introduction to Programming in C (NPTEL Online Certification)

### Responsive Web Design (freeCodeCamp Developer Certification)

### Programming in C++ (NPTEL Online Certification)

## AREAS OF INTEREST

Deep Learning, Machine Learning, Computer Vision, Python Programming, Data Science