




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 for thriving opportunities.

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EDUCATIONAL QUALIFICATION

B.Tech (Computer Science)

Jaipur Engineering College & Research Centre, Jaipur 

2016 – 2020

82.61%

Higher Secondary Education

D.A.V. Centenary Public School, Ajmer

2015 – 2016

90.40%

Secondary Education

All Saints Sr. Sec. School, Ajmer

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 (Ongoing)

- The project estimates to build convolutional autoencoder to implement image colorization & decolorization. It also aims to reconstruct noisy images using denoising autoencoder.

Child Care Portal

- This portal is made for 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 let 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 let users sign up (register) for the site, log in, log out, edit their profile, & change their passwords.

INTERNSHIP EXPERIENCE

Driver Monitoring System

Allgo Embedded Systems Private Limited 

05/2019 – 07/2019

Bangalore, India

Emotion Detection

- Advanced face tracking technology for camera-based driver monitoring.
- Face detection & facial emotion recognition, using OpenCV & Keras with 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.
- Occlusions supported like caps/hijabs/scarf not covering the face, hand covering 25% of face, people talking on the phone.

RELEVANT SKILLS

Python

C

HTML5

CSS3

Data Structures

Neural Networks

Bootstrap

C++

Django

ACHIEVEMENTS

Winner at JECRC Hackathon 1.0

A 36 hours hackathon hosted by JECRC Foundation (Total 30 winners out of 500+ participants)

CERTIFICATES

> Deep Learning Specialization

(by deeplearning.ai on Coursera)

> Convolutional Neural Networks in TensorFlow

(by deeplearning.ai on Coursera)

> Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

(by deeplearning.ai on Coursera)

> Natural Language Processing in TensorFlow

(by deeplearning.ai on Coursera)

> Launching into Machine Learning

(by Google Cloud on Coursera)

> Programming, Data Structures and Algorithms using Python

(NPTEL Online Certification)

> IBM Data Science Specialization

(by IBM on Coursera)

> 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 & ANN

Computer Vision

Machine Learning

Python Programming

Natural Language Processing