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 and reverse image search using autoencoders as a 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 ● HTML5 ● CSS3
- C++ ● Bootstrap ● Django
- Convolutional Neural Networks
- Data Structures

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)

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

Python Classes and Inheritance 🔗
(by University of Michigan 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