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 ● HTML5 ● C++
- CSS3 ● Bootstrap ● Django
- Convolutional Neural Networks
- Data Structures ● OOP Concepts

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