

Hassan Askary

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Education

Pakistan Institute of Engineering & Applied Sciences Islamabad 2017 – 2021
Bachelor of Science in Computer & Information Sciences
Final Year Project: "Identity Based Face Synthesis"

Experience

Pakistan Institute of Engineering & Applied Sciences Islamabad Mar 01 – June 01, 2021
Teaching Assistant

- Taught "Introduction to Computer Vision" course to the class of 2022
- Planned lessons and homework exercises
- Delivered lectures on topics related to image processing, deep learning, programming and linux
- Lessons and labs: <https://github.com/cvlpieas/CIS428-ICV>

Pakistan Institute of Engineering & Applied Sciences Islamabad Oct 09 – Nov 26, 2020
Teaching Assistant

- Planned workshop titled "Applied DL for CV with PyTorch" for the "Machine Vision" course
- Taught two sessions of the four part workshop
- Lessons and videos: <https://github.com/cvlpieas/ADLCVP>

Techlets Pvt. Ltd. Islamabad Jun 24 – Aug 02, 2019
Data Science Intern

- Developed model that retrieved geolocation information from textual data
- Built datasets to train Natural Language Processing algorithms
- Worked with Python, MongoDB, scikit-learn, pandas, NLTK, & spaCy

Pakistan Institute of Engineering & Applied Sciences Islamabad Jul 01 – Nov 01, 2018
Web Developer

- Designed & developed websites for International Pakistan Research Summit 2018
- Deployed on web servers running on LAMP stack
- Worked with HTML, CSS, JQuery, & Bootstrap

Skills

Languages: Python, JavaScript, HTML, CSS

Frameworks & Libraries: PyTorch, Tensorflow, Keras, Numpy, Matplotlib, scikit-learn, OpenCV

Tools: Git, \LaTeX

Operating Systems: Linux

Environments: Vim, VS Code

Projects

Semantic Appearance Manipulator <https://github.com/hassanaskary/sam>

- Image manipulation program using Mask R-CNN
- Replaces detected objects in image with another image
- Developed using PyTorch, Numpy, Matplotlib, and Pillow

Courses

Coursera Mar 17 – Apr 01, 2020
Learning How to Learn: Powerful mental tools to help you master tough subjects

Pakistan Institute of Engineering & Applied Sciences Islamabad Jul 02 – Jul 13, 2018
Introduction to Data Science with Python

Course Contents: Python programming, Intro to Data Science, Data Visualization using Python, Pattern Recognition fundamentals, Intro to Machine Learning & Deep Learning, Intro to Large Scale Data Management

Awards

Cash Prize Award Nov 01, 2019
Pakistan Institute of Engineering and Applied Sciences Islamabad
Awarded annually to the top 3 students in the class.