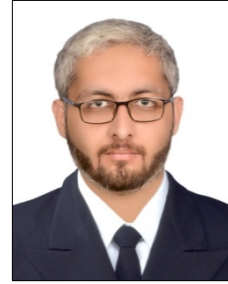


IHSAN ULLAH

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RESEARCH INTERESTS

Artificial Intelligence, Machine Learning, Computer Vision, Data Analytics

EDUCATION

Masters Artificial Intelligence

Université Paris-Saclay, Paris, France

2020 - Present

BS Computer Software Engineering

University of Engineering and Technology Peshawar, Pakistan

CGPA: **3.70/4.0**

Award: **University Gold Medal**

2013 - 2017

ACADEMIC EXPERIENCE

Android Trainer

Techvalley, Abbottabad Pakistan

June 2016 – Sep 2016

IT Trainer

Urraan, Abbottabad Pakistan

Jan 2019 – Sep 2020

RESEARCH EXPERIENCE

Meta-Album: A benchmark for few-shot learning

*Machine learning for low-data regime is an area of interest in the research. Few-shot learning is one popular way to tackle this problem. The lack of good, challenging and computationally feasible benchmarks is a hurdle in smooth progress in few-shot learning. To remedy this, we introduce **Meta-Album** benchmark for few-shot learning, meta-learning and other purposes. It consists of 15 datasets from different domains. 10 of these datasets are publicly released while 5 datasets are kept secret for validation purposes. The benchmark bridges the gap between small scale datasets (Omniglot, minilmageNet and CUB) and very large scale datasets (Meta-dataset and VTAB). This research is supervised by Professor Isabelle Guyon (LISN, Université Paris-Saclay, ChaLearn).*

<https://github.com/ihسانullah2131/meta-album>

Travail d'Etude et de Recherche – Deep Pollination (Classification of pollinating insects)

*Insects are very important for biodiversity, food chains, and pollination. It is of great importance to recognize insects, their habitats and to secure their natural environment. Machine learning, especially deep learning techniques can be used to recognize and classify various insects. We introduce **Deep-Pollination**, a series of three machine learning challenges organized on Codalab for insects classification. A preprocessed version of the insects dataset (provided by **MUSÉUM NATIONAL D'HISTOIRE NATURELLE**) is used for these challenges which consist of five classes and more than 200,000 images. This project is supervised by Professor Isabelle Guyon (LISN, Université Paris-Saclay, ChaLearn).*

<https://github.com/ihsanullah2131/deep-pollination>

Design of easy to use user interface for illiterate and semi-literate people

A study to design easy to use user interface for illiterate and semi-literate people to use mobile devices and computers easily. The study focuses on the use of images, animations, icons, video and background audio recordings and combinations of these to design user interfaces which enable these people to easily use computer platforms for job hunting, information gathering and for some other purposes.

Malakand Levies Criminal Records Management System

A centralized and computerized system to replace the old files system and to equip the officials, office staff and check-posts staff to get updated data anywhere. HCI design principles are used in this project to make the transition from old system easy and to make it easier for semi-literate staff to use the new system.

WORK EXPERIENCE

AI Research Internship <i>LISN, Université Paris-Saclay</i>	01 May 2021 – 31 Aug 2021
Travail d'Etude et de Recherche <i>Université Paris-Saclay</i>	04 Jan 2021 – 19 Feb 2021
Project Manager <i>Codematics Inc, Abbottabad Pakistan</i>	Jan 2020 – Sep 2021
Software Engineer <i>Codematics Inc, Abbottabad Pakistan</i>	Jan 2019 – Dec 2019
Software Engineer <i>Ocheng 偶橙, Shanghai China</i>	May 2018 – Dec 2018

PROFESSIONAL SKILLS

Machine Learning
Computer Vision
Project Management
Project Planning

Project Design
Software Development

- *Mobile Applications Development*
- *Web Applications Development*
- *Wechat Mini-programs*

Database Design and Development

LANGUAGE SKILLS

English	●●●●●
Urdu	●●●●●
Pashto	●●●●●
French	●●●●●

HONORS AND AWARDS

University Gold Medal <i>University of Engineering and Technology Peshawar</i>	2017
Winner of 1 year Incubation for Startup KARDAAN <i>National Incubation Center, Islamabad Pakistan</i>	2019 - 2020
8th position all over the country – Huawei ICT Skills Competition <i>Arranged by Huawei</i>	2016
2nd position in province – KP Apps Challenge <i>Arranged by Khyber Pakhtunkhwa (KP) Information Technology Board and World Bank</i>	2014

QUALIFICATIONS AND CERTIFICATES

President, Academics Society <i>University of Engineering and Technology Peshawar</i>	Sep 2016 - July 2017
Vice President, Academics Society <i>University of Engineering and Technology Peshawar</i>	Sep 2015 - Sep 2016
Events Organizer <i>University of Engineering and Technology Peshawar</i>	Sep 2015 - July 2017
Basketball Coordinator, Sports & Recreational Society <i>University of Engineering and Technology Peshawar</i>	Sep 2014 - July 2017

REFERENCES

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