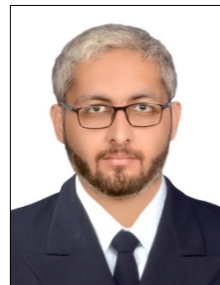


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PROFESSIONAL INTERESTS

Project Management, Product Development, Software Development, Artificial Intelligence

EDUCATION

Masters Artificial Intelligence 2020 - Present
Université Paris-Saclay, Paris, France

BS Computer Software Engineering 2013 - 2017
University of Engineering and Technology Peshawar, Pakistan
CGPA: **3.70/4.0**
Award: **University Gold Medal**

WORK EXPERIENCE

AI Research Internship 01 May 2021 – 31 Aug 2021
LISN, Université Paris-Saclay

Travail d'Etude et de Recherche 04 Jan 2021 – 19 Feb 2021
Université Paris-Saclay

Project Manager Jan 2020 – Sep 2021
Codematics Inc, Abbottabad Pakistan

Software Engineer Jan 2019 – Dec 2019
Codematics Inc, Abbottabad Pakistan

Software Engineer May 2018 – Dec 2018
Ocheng 偶橙, Shanghai China

IOS Developer Feb 2017 – May 2018
Codematics Inc, Abbottabad Pakistan

Software Requirement Engineer (Part time) Oct 2016 – Feb 2017
Codecture, Abbottabad Pakistan

ACADEMIC EXPERIENCE

Teaching Assistant Oct 2021 – Mar 2022
Université Paris-Saclay

IT Trainer Jan 2019 – Sep 2020
Urmaan, Abbottabad Pakistan

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, minImageNet 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/ihsaan-ullah/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/ihsaan-ullah/deep-pollination>

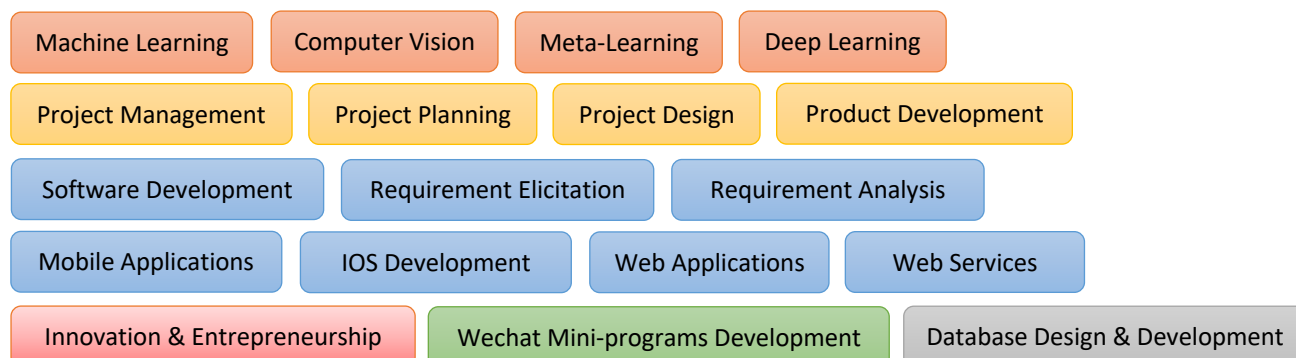
Design of easy to use user interface for illiterate and semi-literate people

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.

PROFESSIONAL SKILLS



PROJECTS

Meta-Album Benchmark

A meta-learning benchmark for few-shot image classification

<https://github.com/ihsaan-ullah/meta-album>

Deep-Pollination

A series of Machine Learning challenges for insects classification

<https://github.com/ihsaan-ullah/deep-pollination>

Spotter Application

A software based solution for selling and buying parking spaces in Milan, Italy.

<https://www.spotterapp.it/>

Kardaan Application

A software based solution and established startup for hiring handymen services in Pakistan and Australia

<https://www.kardaan.app/>

Hello Demo Application

An application for music makers to share their work in their network and get their music signed

<https://hello-demo.com/>

Blood Community Application

An app based social services app to connect blood donors and receivers on one platform

<https://www.codematics.co/portfolio/the-blood-community-app/>

YÔGA Real Estate Solution

A platform for renting apartments, rooms, office spaces etc in Paris and Shanghai

<http://yogarealestateshanghai.com/>

Mailman Group

A website for Shanghai based Sports consultancy agency

<https://www.mailmangroup.com/>

Guess the Word Game

A mobile game for strengthening brain power using gamifying knowledge

<https://www.codematics.co/portfolio/guess-the-word-multiplayer/>

Contributions

Machine Learning, Deep Learning, Meta-Learning

Machine Learning, Deep Learning, Computer Vision, Challenge Organization

Project Management, Design, Development and Deployment, IOS Development, Database design

Project Management, Design, Development and Deployment, IOS Development, Database design, Web services, Startup development

IOS Development

IOS Development, Database design, Web services

Project Management, Web Development, IOS Development, Database design, Web services

Project Management

IOS Development

LANGUAGE SKILLS

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

HONORS AND AWARDS

Masters Excellence Scholarship <i>Université Paris-Saclay / Labex Digicosme</i>	2020-2022
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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Université Paris-Saclay, France

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University of Engineering & Technology
Mardan, Pakistan

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