

# Asma Iqbal

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## Objective

Motivating and talented Computer Science instructor driven to inspire students to pursue academic and personal excellence. Consistently strive to create a challenging and engaging learning environment in which students become life-long scholars and learners.

### Personal Details

Father Name	Muhammad Iqbal Anjum
Marital Status	Single
DOB	9 January 1998
Nationality	Pakistan
Religion	Islam

### Education

2021-----2023	<b>MS Computer Science</b> , Comsats University Islamabad, Sahiwal Campus, Pakistan
2021-----2023	<b>B. ED</b> , Allama Iqbal Open University Faisalabad, Sahiwal Campus, Pakistan
2017-----2021	<b>BS Computer Science</b> , GC University Faisalabad, Sahiwal Campus, Pakistan
2015-----2017	<b>ICS- Computer Science</b> , Superior College Sahiwal, Pakistan
2013-----2015	<b>Matriculation in Science</b> , Govt Girls High School 1/10. L, Sahiwal, Pakistan

### MS Thesis

Title	Lie Detection Based on Facial Expressions by Using Hybrid Deep Learning Algorithms
Supervisor	Dr. Muhammad Farhan
Description	Proposed a novel method based on hybrid deep learning model which use Vision Transformer + BiGRU to detect the lie. Vision Transformer method is utilized to extract features from facial images, which are then fed into the Bidirectional Gated Recurrent Unit (BiGRU) algorithm. It extracts both handcrafted and deep learning-based features as relevant visual inputs, then it passes them into multiple types of classifiers to predict respective lie/non-lie labels. Several metrics are used to judge the models' accuracy based on the models' predictions and ground truth.

### Research Papers Under Review

- 1 ASAnalyzer: Attention based Sentiment analyzer for Real-world Sentiment Analysis
- 2 Micro-Expression Analysis for Deception Detection: A Review of Machine Learning and Deep Learning Algorithms
- 3 Alzheimer Disease Prediction using Uni-modal and multi-modal data: A Review of Machine Learning and Deep Learning Techniques
- 4 Personality Predication Through Social Network
- 5 IDRandom-Forest: Advanced Random Forest for Real-Time Zero-Day Intrusion Detection

- 6 Lie Detection Based on Facial Expression by using Hybrid Deep Learning Algorithm
- 7 SmartFireVision: Advancing Fire Detection in Smart Cities using Deep Learning Model
- 8 EGPT-SPE: Story Point Effort Estimation using Improved GPT-2 by Removing Inefficient Attention Heads

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### Key Subjects

Introduction to ICT, Artificial Intelligence, Operating System, Data Mining, Compiler Construction, Digital Logic Design, Machine Learning, Deep Reinforcement, Advance Algorithms Design

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### Skills

C, C++, C#, Python HTML, MS Office Tools, Visual Studio, Unity Operating System, Android Studio

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### Strengths

Hardworking, professionally committed, Ability to take initiative and team performer with strong interpersonal communication skills.

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### Experience

03 Years experience in FC science academy Harappa.  
02 years' experience as a freelancer.

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### Language

English  
Urdu

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### References

#### Dr. Muhammad Azhar

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#### Dr. Muhammad Farhan

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