

HAFIZ MUHAMMAD

SAAD BIN EHTISHAM

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📍 A-18, Block A, KUECHS, Scheme 33, Karachi.

ABOUT ME

Proven track record in streamlining office operations and enhancing team productivity offering exceptional organizational support. Dedicated to driving efficiency and promoting a collaborative work environment.

AREA OF EXPERTISE

Supervised and Unsupervised Learning:

Classification, regression, clustering, and dimensionality reduction techniques.

Deep Learning:

Proficiency in building and optimizing deep neural networks, including convolutional and recurrent networks.

Natural Language Processing (NLP):

Experience in text processing, sentiment analysis, and language modeling.

Data Preprocessing and Feature Engineering:

Skilled in data cleaning, normalization, and transformation for improved model performance.

Model Evaluation and Validation: Knowledge of cross-validation, hyperparameter tuning, and model performance metrics.

EDUCATION

Doctor of Philosophy (Ph.D.)

Computer Science
Hamdard University
2024 - In Process

Master of Science (MS)

Computer Science
Hamdard University
2020 - 2022

Bachelor of Science (BS)

Computer Science
Hamdard University
2015 - 2019

Intermediate

Pre Engineering
Adamjee Govt. Sci. College, Karachi
2013-2014

RESEARCH PROJECTS

CNN based skin disease detection for Melanoma and Fungal infection

I spearheaded the implementation of state-of-the-art deep learning techniques to create a robust and efficient algorithm capable of analyzing dermatoscopic images with high precision.

Smart Traffic Light System Using Artificial Intelligence

I actively participated in the design and implementation of AI-based models capable of analyzing real-time traffic data and environmental factors to make intelligent decisions regarding signal control.

WORK EXPERIENCE

2024 (September) - Present
**National University of Modern Languages (NUML)
Karachi Campus**
Lecturer

Lectures on computer science courses and fostering a deep understanding of core concepts. Integrated soft-skill instruction into competency-based content area activities.

2024 (February) - 2024 (August)
IU School System, Karachi Pakistan
Assistant Manager Administration

Utilized organizational skills to optimize administrative procedures, ensuring efficient communication and coordination among departments. Provided guidance and support to administrative staff and promoting professional development.

2023 (March) - 2023 (November)
Hamdard University | Karachi, Pakistan
Lecturer

Developing and delivering course lectures of Data Science Artificial Intelligence and Machine Learning. Supported students in industry competitions, industry exploration activities, professional organizations, and post-secondary initiatives.

Registration Coordinator - (Administration Additional Responsibility)

2021 (July) - 2023 (March)
Hamdard University | Karachi, Pakistan
Management Information System, Coordinator

Responsible for executing the strategy and plans for collecting, sorting, compiling and analyzing the data and creating reports. Researching on alumni success and impact stories and documenting them.

2022 (Jan) - 2022 (April)
Hamdard University | Karachi, Pakistan
Assistant Academic Officer

Responsible for the QEC requirement of the MS and Ph.D. Level Programs. Conducting of BASR within academic department.

RESEARCH PUBLICATION

- Efficient Implementation Of Intelligent Traffic Management System Under Severe Adverse Weather Condition (aITMS)
Journal of Independent Studies and Research Computing (JISR-C) SZABIST, Karachi - Volume 21 Issue 2 - (Y Category)
- Un-Authorized Person Detector Using Uav-Patrolling Drone - In process
Pakistan Journal of Engineering, Technology & Sciences - IoBM (Y category)

REFERENCE

Furnish upon request