



MUHAMMAD ADIL



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Curriculum Vitae

Qualifications

- 2021-23 **MS (Computer Science)**, [COMSATS University Islamabad](#), Islamabad 44000, Pakistan, CGPA 3.17/4.00.
- 2017-21 **BS (Information Technology)**, [University of Education, Lahore](#), D.G. Khan Campus, D. G. Khan 32200, Pakistan, CGPA 3.41/4.00.

MS Thesis

- Title *A Conceptual Framework for Heart Disease Detection and Analysis using Cloud based Machine Learning*
- Summary Developed a deep learning-based model for chronic heart disease prediction using hybrid models (DeeRes and VGoo) on an imbalanced CDC dataset. Applied advanced oversampling techniques (SMOTE, LoRAS, ProWRAS) and validated performance using K-fold cross-validation, achieving high accuracy and early detection capabilities.
- Supervisor [Prof. Dr. Nadeem Javaid](#)

Experiences

- Position **Lecturer (Contract-based)**
- Federal Urdu University of Arts, Science and Technology ([FUUAST](#)), Islamabad, Islamabad 44000, Pakistan
- From Oct. 2023 to till date
- Responsibilities Students Coordinator, Teaching, providing guidance and mentorship to students, offering support for their final year projects in the field of AI and Data Science.
- Position **Research Associate**
- Communication over Sensors ([ComSens](#)) Research Lab, Department of Computer Science, COMSATS University Islamabad, Islamabad 44000, Pakistan
- From Feb. 2023 to Sep. 2023
- Responsibilities Provided guidance and mentorship to junior researchers, offering support for their research projects.
- Position **Internee**
- University of Education, Lahore. D.G. Khan Campus, Pakistan
- From Oct. 2020 to Feb. 2021
- Responsibilities Provided technical support to campus faculty during COVID-19.

Publications

Journals

- [1] Muhammad Adil, Nadeem Javaid, et al., "A Conceptual Framework for Heart Disease Prediction using Cloud based Deep Learning", (Revision Submitted), Biomedical Signal Processing and Control (Impact Factor= 5.1), 2023.
- [2] Muhammad Adil, Nadeem Javaid, et al., "Deep Learning for Heart Disease Prediction: Integrating Hybrid Models and Balancing Techniques for Improved Accuracy", (Under Review), Journal of Cloud Computing (Impact Factor= 3.4), 2024.

Skills

Intermediate Python, Data Analytic, C++

Research Interests

AI, Data Science, Machine Learning, Deep Learning

Achievements

2021-2023 **Punjab Educational Endowment Fund (PEEF) Master Level Scholarship**
For MS Computer Science

Certificates

2022 Spark and Python for Big Data with PySpark- Udemy

References

Professor [Prof. Dr. Nadeem Javaid](#)

Department of Computer Science, COMSATS University Islamabad, Islamabad Campus, Pakistan.

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Associate [Dr. Mariam Akbar](#)

Professor Department of Computer Science, COMSATS University Islamabad, Islamabad Campus, Pakistan.

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