

NOORUDDIN NOONARI

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Website: <https://noorcs39.github.io/Nooruddin/>

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Research Interests: 6G Networks, Fault Detection, DL, ML, LLMs, Generative AI

EDUCATION

Universidade de Aveiro, Portugal

PhD in Computer Engineering

- Focus on 6G Networks, Fault Detection, Transfer Learning, DL and pe-trained Models

Oct, 2023 - Present

GPA: 4.0/4.0

Tianjin University, China

MS in Software Engineering

- Focus on GAN, GDPR, Synthetic Data, DL and Indoor Positioning.

Aug, 2018 - July, 2021

GPA: 4.0/4.0

Sukkur IBA University, Pakistan

BS in Computer Science

- Focus on AI, HCI, and Gesture Recognition.

Jan, 2012 - Dec, 2015

GPA: 2.75/4.0

PROFESSIONAL EXPERIENCE

Data Machine Elite, Portugal

Investigator (DL/ML)

- Focus on Transfer Learning, DL, pe-trained Models, LLMs

Nov, 2023 - Present

Università Ca' Foscari di Venezia, Italy

Research Scholar (Gen AI).

- Focus on Generative AI, Diffusion Models, Stable Diffusion, GAN

Sep 2022 - Aug 2023

AgriDunya Technologies, Pakistan

Data Analyst

- Focus on Data Science, Microsoft Power BI, and other analytical tools.

Sep 2021 - Nov 2022

Tianjin University, China

Researcher (DL/ML)

- Worked extensively with Deep Convolutional Generative Adversarial Networks (DCGAN), Keras, and other advanced frameworks. (2 paper accepted)

Sep 2018 - Jul 2021

Directorate of IBA Community Colleges and Schools, Pakistan

Software Programming Instructor

- Taught a variety of core computer science subjects, including Java, C++, and Data Structures

Aug 2016 - Sep 2018

SELECTED PUBLICATIONS

- [1] **Nooruddin**, Rahool Dembani, and N. Maitlo. "HGR: Hand-gesture-recognition based text input method for AR/VR wearable devices." 2020 IEEE international conference on systems, man, and cybernetics (SMC). IEEE, 2020. [\[paper\]](#)
- [2] Dembani, R., Zheng, W., & **Nooruddin**. (2020). *UNSUPERVISED FACIAL EXPRESSION DETECTION USING GENETIC ALGORITHM*. Neural Network World, 30(1), 65-75. [\[paper\]](#)
- [3] Maitlo, N., **Noonari, N.**, Ghanghro, S. A.. (2024, April). *Color Recognition in Challenging Lighting Environments: CNN Approach*. In 2024 IEEE 9th International Conference for Convergence in Technology (I2CT) (pp. 1-7). IEEE. [\[paper\]](#)
- [4] Maitlo, N., **Noonari, N.**, Arshid, K., Ahmed, N., & Duraisamy, S. (2024, April). *AINS: Affordable Indoor Navigation Solution via Line Color Identification Using Mono-Camera for Autonomous Vehicles*. In 2024 IEEE 9th International Conference for Convergence in Technology (I2CT) (pp. 1-7). IEEE. [\[paper\]](#)

SELECTED AWARDS AND SCHOLARSHIPS

Marie Skłodowska-Curie Actions (MSCA) Doctoral Network (DN) fellowship

Chinese Government Scholarship (CSC)

Prime Minister's National Merit-Based ICT R&D Fund Scholarship for BS