NOORUDDIN NOONARI

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Website: https://noorcs39.github.io/Nooruddin/   Github: https://github.com/noorcs39   LinkedIn: https://www.linkedin.com/in/noonari/

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

EDUCATION

Universidade de Aveiro, Portugal   *Oct, 2023 - Present*
PhD in Computer Engineering   GPA: 4.0/4.0
- Focus on 6G Networks, Fault Detection, Transfer Learning, DL and pe-trained Models

Tianjin University, China   *Aug, 2018 - July, 2021*
MS in Software Engineering (Focus on GAN, GDPR, Synthetic Data, DL and Indoor Positioning.)   GPA: 4.0/4.0

Sukkur IBA University, Pakistan   *Jan, 2012 -Dec, 2015*
BS in Computer Science (Focus on AI, HCI, and Gesture Recognition.)   GPA: 2.75/4.0

PROFESSIONAL EXPERIENCE

Data Machine Elite, Portugal   *Nov, 2023 - Present*
Investigator (DL/ML)

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

Università Ca' Foscari di Venezia, Italy   *Sep 2022 - Aug 2023*
Research Scholar (Gen AI)

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

AgriDunya Technologies, Pakistan   *Sep 2021 - Nov 2022*
Machine Learning Engineer

- Focus on ML, DL, Pattern Recognition, AI, Pytorch, Anaconda.

Freelancer, Pakistan   *Jan 2020 - Aug 2021*
Machine Learning Engineer

- Focus on ML, DL, Pattern Recognition, AI, Pytorch, Anaconda.

Tianjin University, China   *Sep 2018 - Jul 2021*
Researcher (DL/ML)

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

Directorate of IBA Community Colleges and Schools, Pakistan   *Aug 2016 - Sep 2018*

- *Software Programming Instructor (*Taught a variety of core subjects, including Java, C++, and Data Structures*)*

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