



FOUNDER & CTO

Prof. Dr. Engr. Farah Deebea Memon (AI Scientist)

Dr. Farah Deebea Memon, Co-Founder and Chief Technology Officer of Qarora.ai, is a pioneer in AI-driven healthcare technology, known for her innovative approach to merging computer science with medical applications. With a background in software engineering and a Ph.D. in Information and Software Engineering from the University of Electronic Science and Technology of China (UESTC), Dr. Deebea has contributed significantly to fields like medical imaging, uncertainty estimation, and computer vision. Dr. Deebea's work has also earned her prestigious accolades, including awards from UESTC, and Tsinghua University's AI Entrepreneurship Program. Her recent project Qarora.ai, focuses on making health screening accessible by integrating artificial intelligence with urinalysis, especially in early disease detection. As CTO, she leads the development of HIPAA-compliant health technologies, positioning the company at the forefront of preventive health innovation.

PROJECTS & ACHIEVEMENTS

The journey of Dr. Farah Deebea Memon is marked by her accomplishments as an AI researcher and academic, renowned for her expertise in medical imaging, computer vision, and deep learning.

OCTOBER 2024



CTO & CO-FOUNDER QARORA.AI

As CTO of Qarora.ai, Dr. Farah Deebea Memon leads the development of the Qarora device software, AI-integrated app, and cloud data dashboard, positioning Qarora.ai as a frontrunner in AI-driven health solutions and innovation worldwide.

Aberdeen Institute of AI

As a senior faculty member at the Aberdeen Institute of AI, Dr. Farah Deebea Memon teaches AI courses to graduate and master's students, supervising their research projects focused on AI in healthcare for disease prediction and prevention.

MARCH 2024



Dawood University Karachi

At DU, Dr. Deebea served as an Assistant Professor (BPS-19), teaching subjects such as Data Structures, and Disease Pattern Recognition, contributing to AI-driven advancements in healthcare education.

MARCH 2023

Fast Underwater Imagery

Dr. Deebea published a research paper titled Enhancing Fast Underwater Imagery by Integrating Deepwave Illuminate Features with Laplacian Residual Feature Learning Attention Module (LRF-AM) and Marine Light Reform Module (MLRM).

AUGUST 2022



Khalifa University Project

At Khalifa University Dr. Deebea worked on research projects for the Mohamed Bin Zayed International Robotics Challenge (MBZIRC), focusing on computer vision, particularly underwater image enhancement.

MARCH 2022

Google Scholar Profile

Till 2023 Dr. Deebea has published more than 35 impactful papers, earning 650 citations with an h-index of 15, highlighting her significant contributions to AI, especially in medical imaging, deep learning, and computer vision.

MARCH 2023



Postdoctorate from UCAS

Dr. Farah Deebea Memon completed her postdoctoral fellowship at the Computer Network Information Center on advancements in AI-based imaging from the University of Chinese Academy of Sciences (UCAS), Beijing, China.

JANUARY 2022

Image Super-Resolution

Dr. Deebea published a paper titled Wavelet Integrated Residual Dictionary Training for Single Image Super-Resolution in Multimedia Tools and Applications, contributing to advancements in image super-resolution techniques using innovative AI approaches.

DECEMBER 2021



HOD at Hamdard University

Dr. Deebea was appointed as an Associate Professor and Head of the Computing Department at the Faculty of Engineering Science and Technology, where she introduced a new degree program in Artificial Intelligence.

OCTOBER 2021

Leadership and Engineering

Dr. Farah Deebea Memon received certification in Leadership and Engineering: A Dichotomy or Misunderstanding from the Pakistan Engineering Council (PEC), enhancing her expertise in bridging leadership skills with engineering.

AUGUST 2021



Digital Watermarking

Dr. Deebea published her research on Digital Watermarking Using Deep Neural Networks in the International Journal of Machine Learning and Computing, contributing to advancements in data security through AI-driven techniques.

APRIL 2021

Be Your Own Boss by Amazon

Dr. Farah Deebea Memon earned certification in Be Your Own Boss by Amazon: Entrepreneurship, the Engine That Runs the Economy from the Pakistan Engineering Council (PEC), enhancing her entrepreneurial skills and knowledge in business innovation.

MARCH 2021



Bahria University, Karachi

Dr. Farah Deebea Memon served as an Assistant Professor at Bahria University, where she taught Software Engineering courses, including Data Structures and Algorithms, and supervised numerous student research projects.

JANUARY 2021

Neural Network Framework

In 2021, Dr. Farah Deebea Memon co-authored the paper titled "A plexus-convolutional neural network framework for fast remote sensing image super-resolution in wavelet domain," published in IET Image Processing.

JANUARY 2021



Medical Image Reconstruction

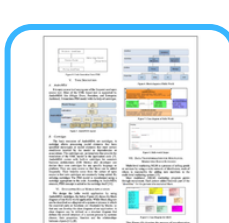
Dr. Deebea published a paper titled Sparse Representation-Based Computed Tomography Image Reconstruction by Coupled Dictionary Learning Algorithm in the journal IET Image Processing, advancing medical imaging reconstruction.

JANUARY 2021

Medical Image Resolution

Dr. Memon published a paper titled Multimodal Medical Image Super-Resolution Using Multi-Attention Network with Wavelet Transform in IEEE Transactions on Computational Biology and Bioinformatics.

JANUARY 2021



Medical Image Enhancement

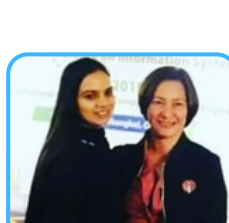
Dr. Farah Deebea Memon published a paper titled A Novel Image Dehazing Framework for Robust Vision-Based Intelligent Systems in the International Journal of Intelligent Systems, introducing AI-driven vision systems.

DECEMBER 2020

Tsinghua University, China

Dr. Farah Deebea Memon was awarded certification in the AI Entrepreneurship Program by the School of Software Engineering at Tsinghua University, recognizing her skills in integrating AI innovation with entrepreneurial practices.

NOVEMBER 2020



Global Conference (GCWOT)

Dr. Deebea received a travel grant from the University of Electronic Science and Technology of China to attend the 2020 Global Conference on Wireless and Optical Technologies (GCWOT), an IEEE conference.

OCTOBER 2020

Excellent Research Award

Dr. Deebea was honored with the Excellent Academic and Research Award by the School of Information and Software Engineering at UESTC for her outstanding academic performance and research contributions.

SEPTEMBER 2020



Visiting Researcher (UCAS)

Dr. Deebea served as a Visiting Researcher at the Computer Network Information Center, University of Chinese Academy of Sciences (UCAS) in Beijing to collaborate with the computer vision research team.

AUGUST 2020

Ph.D. from UEST China

Dr. Farah Deebea Memon earned her Ph.D. in Information and Software Engineering from the University of Electronic Science and Technology of China, on Solving Inverse Imaging Problems Using Deep Learning, achieving a CGPA of 3.95/4.

JULY 2020



Lecturer Hamdard University

Dr. Farah Deebea Memon served as a Lecturer at Hamdard University, Karachi, where she taught core subjects in Computer Systems Engineering, Artificial Intelligence, Database Management, and Web Development.

JANUARY 2015

Master with a CGPA of 3.9/4

Dr. Deebea completed her Master's in Software Engineering at Mehran University of Engineering and Technology (MUET), Jamshoro, Pakistan with a CGPA of 3.9/4, showcasing her expertise in software and video analysis techniques.

MARCH 2014



Graduate with CGPA of 3.85/4

Dr. Deebea graduated with a Bachelor's in Software Engineering from Mehran University of Engineering and Technology (MUET), Jamshoro, Pakistan. Her thesis, Real-Time Face Recognition using MATLAB, earned her a CGPA of 3.85/4.

DECEMBER 2010

CONTACT DETAILS

Email: deeba@scnu.edu.cn
Email: doctor.deeba@qarora.ai
Google Scholar Link: <https://rb.gy/k6ozn>