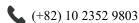
Haseeb Ali Khan



haseebali5278@gmail.com



Sejong University, Seoul, South Korea

Summary

Innovative and detail-oriented researcher specializing in Augmented Reality (AR), Virtual Reality (VR), and Artificial Intelligence (AI). Experienced in leveraging cutting-edge machine learning models and immersive technologies to solve real-world problems. Motivated to contribute innovative solutions and further develop expertise through impactful research.

Education

SEP 2022-AUG 2024 Master's

Sejong University, Seoul, South Korea

Department of Software

Thesis: Enhancing Mixed Reality Accessibility for Color-Vision Impaired Users

SEP 2015 -AUG 2019

B.Sc.

Comsats University Islamabad, Pakistan

Department of Electrical and Computer Engineering

Thesis: Scenes Visualization in Virtual Reality

Research Experience

JUL 2024 – DEC 2024

Postgraduate Researcher

Mixed Reality & Interaction Laboratory (MR&I), Sejong University, Seoul, South Korea

- Development of a 3D desktop application (KoCo App) for foreigners residing in Korea.
- Designed and trained a CNN-based facial emotion recognition model integrated into a 3D desktop application.
- Development of the API for the CNN model.

SEP 2022 -SEP 2023

Research Collaborations

Mixed Reality & Interaction Laboratory (MR&I), Sejong University, Seoul, South Korea

- Collaborated on a Mixed Reality-based Color Blind Assistant as part of the ICCTARVR project, in partnership with ETH Zürich.
- Worked on Korean language learning 3D application project with Korean Researchers.

SEP 2022 – JUL 2024

Research Assistant

Mixed Reality & Interaction Laboratory (MR&I), Sejong University, Seoul, South Korea

- Development and presentation of AR/VR application for Color Blind people to assist them in performing tasks and identifying objects with different colors efficiently in immersive environment.
- Development and presentation of Virtual Doctor assistant application in VR.
- Developed and presented a style transfer-based VR video experience for emotion induction.

Awards & Honors

SEP 2022

100% Study Scholarship

Sejong University, Seoul, South Korea, for Master's Degree

Technical Skills

- Unity: Development of AR/VR applications for mobile and desktops.
- **Programming Languages:** C#, Python.
- Artificial Intelligence: Model training, neural networks, emotion recognition, AR/VR integration.
- Data Visualization: Proficient in LaTeX, and Microsoft PowerPoint.

Areas of Interest

- 1. Mixed Reality: Human-Computer Interaction, AI integration, AR/VR applications.
- 2. Machine Learning: Supervised/Unsupervised Learning, Reinforcement Learning, Model Optimization.
- 3. Deep Learning: CNNs, RNNs, ANNs, Transfer Learning, Pretrained Models (Keras, TensorFlow), Computer Vision.

Symposiums

- 1. Presentation in the ICCTARVR (Intelligent Content Creation Tools for Augmented and Virtual Reality) 2023 Workshop at Sejong University, South Korea.
- 2. Presented our style transfer project at the world IT show at Coex 2023.
- 3. Presented our Virtual Doctor Project at the world IT show at Coex 2024.
- 4. Attended ITRC (Information Technology Research Center) workshop at Sejong University.
- 5. Attended and presented a poster in the Korean Society for Next Generation Computing 2023 Spring Conference.

Languages

English – Fluent Urdu – Fluent

Pashto – native speaker