JUNAID SAJID

Machine Learning

@ junaid.sajid.969@gmail.com   📞 +923456570357   📍 Islamabad , Pakistan

EDUCATION

MS Information Technology
National University of Sciences and Technology, NUST, Islamabad

📅 2020 - 2022   📍 Islamabad, Pakistan

CGPA: 3.60/4.0

BS Information Technology
University of Education, Lahore

📅 2016 - 2020   📍 Faisalabad, Pakistan

CGPA: 3.72/4.0

WORK EXPERIENCE

Research Assistant
School of Electrical Engineering & Computer Science, NUST

📅 Aug 2022 - Dec 2023   📍 Islamabad, Pakistan

- Organizing and coordinating research-related events and activities
- Collaborating with a team in a synergistic environment
- Assisting in grant proposal writing and securing research funding
- Conducting experiments, data analysis, and interpreting research findings
- Contributing to the development and implementation of research methodologies
- Conducting literature reviews and synthesizing relevant research findings
- Publishing research articles in reputable journals and contributing to the academic community

RESEARCH PROJECTS

- Privacy-Aware Federated Transfer Learning for Malicious Node Detection in Data Routing for Charging Stations.
- Digital-Twin Assisted Edge Computing for Connected Vehicles.
- Gamification Based Advanced Urdu Language Tutor for Visually Impaired.
- SimPark: An Agent-based Vehicle Parking Framework for Smart Cities.

PUBLICATIONS

- Sajid, Junaid, Kadhim Hayawi, Asad Waqar Malik, Zahid Anwar, and Zouheir Trabelsi. "**A Fog Computing Framework for Intrusion Detection of Energy-Based Attacks on UAV-Assisted Smart Farming**" Applied Sciences 13, no. 6 (2023): 3857.
- Sajid, Junaid, Bareera Anam, Hasan Ali Khattak, Asad Waqar Malik, Assad Abbas, and Samee U. Khan. "**Preventing Adversarial Attacks on Autonomous Driving Models.**" In International Wireless Internet Conference, pp. 3-13. Cham: Springer Nature Switzerland, 2022.

TECHNICAL STRENGTH

Python
Data Visualization
Machine Learning
Statistical Analysis
TensorFlow
Scikit-Learn
Deep Learning
Keras
Simulation
Vehicular Network
Fog and Egde Computing
Federated Leaning
Transfer Learning
Digital Twin
Intrusion Detection
Latex/Overleaf

TOOLS

Anaconda
Pycharm
Visual Studio Code
Jupiter Notebook
CVAT
Anylogic

INTERPERSONAL SKILLS

Football Captain in UG
800 and 1600 meters Athlete
Event Organizer
Media Society Vise President in Under-graduation
Executive IT NUST Science Society

REFREES

Dr. Asad Waqar Malik
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✉ National University of Sciences & Technology Islamabad, Pakistan

Dr. Hasan Ali Khattak
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✉ National University of Sciences & Technology Islamabad, Pakistan