S M SOLAYMAN HOSSEN ROKIB

Master's Student
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EDUCATION

University of Electronic Science and Technology of China Sep. 2023 - Jul. 2026
Master of Engineering in Information and Communication Engineering
Research Field: Machine Learning and AI
GPA: 3.65/4.00
Rank: 01/05 (Within the same Research Field)

Yunnan University Sep. 2019 - Jul. 2023
Bachelor of Engineering in Computer Science and Technology
GPA: 3.72/4.00
Rank: 01/54

WORK EXPERIENCE

Teaching Assistant, Graduate Artificial Intelligence Course Sep. 2025 - Present
School of Information and Communication Engineering, UESTC

Office Assistant Sep. 2023 - Present
Teaching Affairs Office, UESTC

Office Assistant Jan.–Feb. 2024, Jul.–Aug. 2024, Jan.–Feb. 2025, , Jul.–Aug. 2025
International students affairs office, UESTC

Part-time English teacher Jun. 2024 - Aug. 2024
School of Management and Economics, UESTC

PUBLICATIONS

1. A. Muhammad, J. Qi, K. Anees, and **SMSH Rokib**, "Attention-Enhanced Hybrid Deep Learning Framework for Accurate Brain Tumor MRI Analysis," in Proc. Int. Conf. Signal Process. Syst. (ICSPS), 2025.
2. A. Khalil, J. Qi, Y. Huang, A. Muhammad, and **SMSH Rokib**, "ESR-LEFuse: Hybrid Infrared and Visible Image Fusion and Super Resolution for Low-Light Imaging," in Proc. Int. Conf. Signal Process. Syst. (ICSPS), 2025.
3. H. M. Rafique, J. Qi, Y. Huang, and **SMSH Rokib**, "A 3D Unified Diffusion Framework for Multi-Modal Segmentation with Missing Modal," in Proc. Int. Conf. Signal Process. Syst. (ICSPS), 2025.
4. **SMSH Rokib**, H. Li, and J. Qi, "AU Detection Using HRNet-Transformer Multi-model," in Proc. Experiencing China - International Youth Scholars Academic Exchange Symposium on International Conference on Ubiquitous Communications, Xi'an, China, Jul. 2024, pp. 86-90.

RESEARCH EXPERIENCE

Undergraduate Thesis: Style Transformation with Generative Adversarial Network

- Conducted research on the application of Generative Adversarial Networks (GANs).
- Experimented various GAN architectures and evaluated their performance on different datasets.

Research on Object Detection and Visual Reasoning Tasks Sep. 2023 - Present
University of Electronics Science and Technology of China, Chengdu, Sichuan

- Working on improving algorithms and models for object detection.
- Developing and evaluating methods for visual reasoning tasks within large language models and other machine learning models.

CONFERENCES AND EVENTS

International Conference on Ubiquitous Communication, Xi'an, 2024
International Student Guest
Presented my ongoing research summary on *"AU Detection Using HRNet-Transformer Multi-model"* at the International Student Workshop. Participated in sessions focused on advancements in ubiquitous communication technologies.

PROJECTS

Intelligent Underground Conveyor Belt Inspection System

IoT based Smart Irrigation System

Big Data - Online shopping management system

Routing & Switching – Designing a Wide Area Network

GIS – StoryMap of subways of China

Database Technology – Airport management system

Web Design – Pet website

HONORS AND ACHIEVEMENTS

3rd Prize, Academic Achievement Award — School of International Education, UESTC, 2023–2024

2nd Prize, Excellent Performance Award — School of International Education, UESTC, 2023–2024

TAETEA Outstanding International Student Scholarship — Yunnan University

LANGUAGE PROFICIENCY

Bangla (Native Language)

English (Fluent Working Proficiency)

Mandarin Chinese (Intermediate)