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Mr. Ainul Hizriadi S.Kom, M.Sc was born on October 27, 1985 right in Pangkalan Susu, Langkat Regency, North Sumatra. He received his master's degree at the University of Malaysia Pahang, Faculty of Computer System & Software Engineering, and previously received his bachelor's degree at Universitas Sumatera Utara, majoring in Computer Science. He also participated in training in 2017 and successfully achieved a Certified Ethical Hacking certificate.

Mr. Ainul is currently trusted as a permanent lecturer at Universitas Sumatera Utara, Faculty of Computer Science and Information Technology, precisely in the Undergraduate Program in Information Technology. Not only as a lecturer, he is also trusted to participate in the USU Information Systems Center team as the management and regulation of network systems including internet bandwidth, internet networks, intranet networks, and hotspot access in USU's environment, including the provision of network facilities including hardware and bandwidth, which are the responsibility of USU. This division is also responsible for the management and maintenance of servers used for sensitive, data and information in several strategic work units.

Mr. Ainul's research field is related to the Internet of Things.

Mr. Ainul is very well known as a friendly and good work partner, because he has one sentence that makes him live humbly, which is “Never feel better and smarter than anyone”.

Publications

2026
Jurnal nasional terakreditasi

Multi-Modal Deep Learning Approach for Waste Management: Integrating Image Classification and Text Mining for Environmental Awareness

SANTI PRAYUDANI , AINUL HIZRIADI , YUYUN YUSNIDA LASE

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Book chapter nasional

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TAKYUDIN , HIKMAH ADWIN ADAM , WIWIN SRY ADINDA BANJARNAHOR , SUTOPO , AINUL HIZRIADI , HABIBI RAMDANI SAFITRI , WIBAWA , Ardi Azhar Nampira , ALAND POLMA NAEK SIHOMBING , YUYUN YUSNIDA LASE , SANTI PRAYUDANI

2025

Monograf

Inovasi Teknologi Pengendalian Penggunaan Televisi Untuk Kesehatan Mata Anak

AINUL HIZRIADI , SARAH PURNAMAWATI

2023
Prosiding seminar internasional

Cocoa Ripeness Level Sorting System Using Integrated Computer Vision Technology on Conveyor Belt

BAIHAQI SIREGAR , AINUL HIZRIADI

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Jurnal internasional bereputasi

Classification of traditional ulos of Batak Toba ssing probabilistic neural network

BAIHAQI SIREGAR , FAHMI , AINUL HIZRIADI

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Prosiding seminar internasional

Preliminary Research Design on Sensor Data Gathering for Air Quality Text Generation

AINUL HIZRIADI , SENIMAN , INDRA AULIA

2020
Jurnal nasional terakreditasi

Network Device Monitoring System based on Geographic Information System and Simple Network Management Protocol

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2019
Jurnal internasional bereputasi

Analysis Accuracy Of Forecasting Measurement Technique On Random KNN Using MAPE And MSE

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2018
Jurnal internasional bereputasi

An Interactive Augmented Reality Implementation of Hijaiyah Alphabet for Children Education

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2018
Jurnal internasional bereputasi

Virtual reality interactive media for universitas sumatera utara - A campus introduction and simulation

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2026
Jurnal nasional

Klasifikasi Surat Laporan Kehilangan Kepolisian Menggunakan Algoritma K-Nearest Neighbor

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Researches

2025

PENERAPAN CONVOLUTIONAL NEURAL NETWORK UNTUK DETEKSI KECAMBAH KELAPA SAWIT ABNORMAL BERBASIS CITRA DIGITAL

INDRA SAPUTRA KURNIAWAN , AINUL HIZRIADI

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IMPLEMENTASI ADVANCE MACHINE LEARNING PADA PREDIKSI PARTIKEL KUALITAS UDARA

HERRIYANCE , AINUL HIZRIADI

2023

SISTEM KLASIFIKASI NEURAL NETWORK UNTUK MEMBEDAKAN DAGING BABI DAN SAPI

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2022

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HERRIYANCE , AINUL HIZRIADI , KHAIRUNISA FITRI SINAGA , HILDA SAFIRA , FENNI KRISTIANI SARUMAHA

2022

Penelitian Fundamental

IMPLEMENTASI NEURAL NETWORK UNTUK KLASIFIKASI CITRA DAUN TUMBUHAN ANGIOSPERMAE PADA PLATFORM BERBASIS AUGMENTED REALITY

SARAH PURNAMAWATI , AINUL HIZRIADI , REZA TAQYUDDIN , ANDI FARRAS THARIQ HASIBUAN , DONNY ADITHYA

2021

Penelitian Dana Lokal Perguruan Tinggi

Pembangkitan Peringatan Banjir kepada Pengguna Kendaraan Bermotor berdasarkan Data Sensor Monitoring Banjir

SENIMAN , AINUL HIZRIADI , INDRA AULIA , MUHIBUDDIN , WIDANG MUTTAQIN

2019

Interpretasi Tekstual Twitter Otomatis berdasarkan Data Sensor Pemantauan Kualitas Udara

SENIMAN , AINUL HIZRIADI , INDRA AULIA , RASYID HAFIZ , ALVIN DAELI

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APLIKASI MOBILE KLASIFIKASI BIBIT KELAPA SAWIT PALSU MENGGUNAKAN MACHINE LEARNING

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2024

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ADMINISTRASI JARINGAN

AINUL HIZRIADI

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Hasil penelitian/pemikiran yang tidak dipublikasikan

Klasifikasi Citra Oral Lesions sebagai Pencegahan Dini Kanker Mulut Menggunakan Metode Capsule Neural Network

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Hasil penelitian/pemikiran yang tidak dipublikasikan

OPTIMALISASI KINERJA DUAL-CORE PROSESOR PADA SERVER MELALUI PENGALOKASIAN DAN PENGISOLASIAN PROSES-PROSES APLIKASI DENGAN SOLARIS CONTAINERS OPTIMIZE THE PERFORMANCE OF DUALÂ …

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