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Mr. Amer Sharif was born in Oakland, USA, on October 21, 1969. He graduated from the Institut Teknologi Bandung with a bachelor degree in Physics in 1994 and then obtained his master degree in Information Technology from Universitas Indonesia in 1999.

Now, Mr. Amer is a lecturer at the Computer Science Undergraduate Study Program USU. He served as Expert Staff of the Deputy Dean I of Fasilkom-TI USU. In addition, he has taught at Universitas Pembangunan Panca Budi Medan and AMIK STIKOM Tunas Bangsa Pematangsiantar. He is also experienced in other fields, namely as Quality Engineer, Chief Technology Officer, System Engineering Manager, Chief Software Architect, and Store Manager.

Some of the training that Mr. Amer has participated in are training from the Digital Talent Scholarship Kem. Kominfo, with the theme of cloud computing, artificial intelligence, and databases. He also participated in other training such as scientific writing training (AMIK Tunas Bangsa Pematangsiantar) and internal quality control system training (IPB Bogor). He also attended public lectures, various national seminars, and various international journals. Usually, he researches the fields of formation security, databases, and networking.

Mr. Amir's life motto is "there is always a better way" and "there is always a reason to be grateful".

Publications

2026
Prosiding seminar internasional

A Rank-Based Ant System for Enhancing Time Management Efficiency in Android Applications

AMER SHARIF , SRI MELVANI HARDI , CHRISTOFFEL DANIEL Y. TAMBUNAN

2026
Prosiding seminar internasional

Mount Sibayak Hiking Trail Recommendation System to Prevent Acute Mountain Sickness with Fall Motion Detection in Climbers

AMER SHARIF , RIZKY ALPARIJI , ELVIAWATY MUISA ZAMZAMI

2025
Prosiding seminar internasional

Signcryption Scheme Using the Schmidt Samoa Cryptosystem and Ong-Schnorr Shamir Digital Signature to Ensure the Security of Digital Text

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF

2025
Jurnal internasional bereputasi

Securing Image Messages Using Secure Hash Algorithm 3, Chaos Scheme, and DNA Encoding

AMER SHARIF , DIAN RACHMAWATI , WILBERT

2025
Prosiding seminar internasional

The Least Significant Bit and Linear Equation Steganography Algorithm for Securing Image Messages

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF

2025

Prosiding seminar internasional

The Least Significant Bit and Linear Equation Steganography Algorithm for Securing Image Messages

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF

2024
Prosiding seminar internasional

A Crypto-compression System Using Spritz Algorithm and Variable Length Encoding Algorithm for Text Files

AMER SHARIF , HERRIYANCE

2021
Prosiding seminar internasional

Securing the Integrity of PDF Files using RSA Digital Signature and SHA-3 Hash Function

AMER SHARIF , DEWI SARTIKA BR GINTING

2020
Prosiding seminar internasional

Chaos-based Cryptography: A Brief Look Into An Alternate Approach to Data Security

AMER SHARIF

2020
Prosiding seminar internasional

Analysis of Drug Abuse Users in North Sumatera With K-Means Algorithm

AMER SHARIF

2019
Jurnal nasional terakreditasi

Data mining untuk memprediksi itemset promosi penjualan barang menggunakan metode market basket analysis (mba)(studi kasus: toko sentra ponsel)

AMER SHARIF

2019
Prosiding seminar internasional

Analysis of Modified Least Significant Bit Polynomial Function Algorithm for Securing Digital Image

DIAN RACHMAWATI , AMER SHARIF

2019
Prosiding seminar internasional

Hybrid Cryptosystem Combination Algorithm of Hill Cipher 3x3 and Elgamal to Secure Instant Messaging for Android

AMER SHARIF , DIAN RACHMAWATI

2018
Prosiding seminar internasional

Meme opinion categorization by using optical character recognition (OCR) and naive bayes algorithm

AMER SHARIF , AMALIA

2018
Prosiding seminar internasional

A combination of vigenere algorithm and one time pad algorithm in the three-pass protocol

DIAN RACHMAWATI , AMER SHARIF

2017
Prosiding seminar internasional

Hybrid Cryptosystem Using Tiny Encryption Algorithm and LUC Algorithm

DIAN RACHMAWATI , AMER SHARIF

2017
Jurnal nasional terakreditasi

Implementasi Algoritma RC4A dan MD5 untuk menjamin Confidentiality dan integrity pada file teks

AMER SHARIF , MOHAMMAD ANDRI BUDIMAN

2017

Jurnal nasional terakreditasi

Implementasi Operasi XOR dan Teknik Transposisi Segitiga untuk Pengamanan Citra JPEG Berbasis Android

AMER SHARIF , MOHAMMAD ANDRI BUDIMAN

Researches

2026

Penelitian Dana Lokal Perguruan Tinggi

Rancang Bangun Sistem Verifikasi Keaslian Dokumen PDF Menggunakan Tanda Tangan Digital Berbasis RSA dan QR Code

MOHAMMAD ANDRI BUDIMAN , AMER SHARIF , DIAN RACHMAWATI

2025

Penelitian Unggulan Perguruan Tinggi

Skema Signcryption dengan Algoritma Schmidt-Samoa Cryptosystem dan Ong-Schnorr-Shamir Digital Signature untuk Menjamin Keamanan Pesan Digital

MOHAMMAD ANDRI BUDIMAN , AMER SHARIF , DIAN RACHMAWATI

2024

Penelitian Unggulan Perguruan Tinggi

MODIFIKASI LEAST SIGNIFICANT BIT : TEKNIK, ANALISIS KOMPLEKSITAS DAN IMPLEMENTASINYA PADA PENYEMBUNYIAN PESAN GAMBAR

MOHAMMAD ANDRI BUDIMAN , AMER SHARIF , DIAN RACHMAWATI , FREDERICK GODIVA

2023

Ipteks Bagi Inovasi Kreativitas Kampus

Pengembangan Sistem Penerjemah Bahasa Isyarat untuk Komunikasi Difabel dengan Non Difabel Berbasis Machine Learning

ADE CANDRA , AMER SHARIF , T KEMALA INTAN , FANINDIA PURNAMASARI

2023

Penelitian Dana Lokal Perguruan Tinggi

PENGAMANAN PESAN DIGITAL MENGGUNAKAN SKEMA SIGNCRYPTION INAM-KANWAL-ZAHID-ABID DAN CHAUM'S BLIND SIGNATURE

MOHAMMAD ANDRI BUDIMAN , AMER SHARIF , THORIQ AUFAR NUBLI

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APLIKASI PENGAMANAN TEKS DENGAN OSS DANSCHMIDT-SAMOA

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF