

A
PROJECT REPORT ON
**SECURE DECENTRALIZED AGGREGATION TO PREVENT MEMBERSHIP
PRIVACY LEAKAGE IN EDGE-BASED FEDERATED LEARNING**

Submitted in partial fulfillment of the requirements
for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

by

Ms. KALLURU LAKSHMI SRAVANTHI
(Roll No. 23701F0063)

Under the Guidance of
Mrs. P. KAVITHA
Assistant professor



DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A+ Grade by NAAC, Bangalore)
(Approved by A.I.C.T.E, New Delhi & Affiliated to J.N.T.U.A, Ananthapuramu)

2023-2025

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI, RAJAMPET-516126**



Affiliated to

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR,
ANANTHAPURAMU**

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled “**Secure Decentralized Aggregation to Prevent Membership Privacy Leakage in Edge-Based Federated Learning**” is the bonafide work carried out by **Ms. KALLURU LAKSHMI SRAVANTHI**, Roll No. **23701F0063** is submitted in the partial fulfillment of the requirements for the award of degree of **Master of Computer Applications** during the year 2023-2025.

Project Guide

Head of the Department

Internal Examiner

External Examiner

DECLARATION

I, **Ms. KALLURU LAKSHMI SRAVANTHI** hereby declare that the project report entitled as “**Secure Decentralized Aggregation to Prevent Membership Privacy Leakage in Edge-Based Federated Learning**” submitted to the **Annamacharya Institute of Technology and Sciences (Autonomous)**, Rajampet, is a record of an original work done by me under the guidance of **Mrs. P. KAVITHA**, Assistant Professor in MCA Department, **Annamacharya Institute of Technology and Sciences (Autonomous)**, Rajampet, for the degree of **Master of Computer Applications** and this project works has not performed the basic for the award of any degree, diploma, Associateship, fellowship or any other academic distinction.

Place: Rajampet

Date:

K. LAKSHMI SRAVANTHI

(Roll No. 23701F0063)

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