

## DETAILS REQUIRED FOR UPLOADING THESIS IN SHODHGANGA

Department : Computer Science  
Guide : Dr. G. Padmavathi  
Name of the Researcher : Swathy Akshaya M  
ORCiD : orcid.org/0000-0003-1529-9503

**DEGREE DETAILS** : Ph. D (FT Without M. Phil)

Registration Date : 27.07.2017

Completed Date : 17.04.2026

Awarded Date : 17.04.2026

### **THESIS DETAILS**

Title : Performance Efficient Methods to Handle Zero-Day Attacks in Cloud Environment

Alternative Title (or Subtitle) : -

Abstract (Enclosed) : Yes

Note : -

Keywords : Zero-Day Attacks, Cloud Security, Vulnerability Exploits, Path Identification, Infected Nodes, System Object Dependency Graph (SODG), Enhanced Back Propagation Neural Network (EBPNN), Probability Inference, Path Dataset, Machine learning, Attack Dataset, Zero-Day Attack Prediction, Hybrid Game-Theoretic Model, Nash Equilibrium, Adversarial Instances, Modified Bi-LSTM ANN Autoencoder, Stacking Ensemble Classifier, Deep Learning, Zero-Day Attack Detection, Deep Convolutional n-Zero Day Adversarial Safety Network (DC-nZDASN), ResNet50, Malware detection, Transfer Learning, Optimized Levy-Flight Based Optimization Algorithm (OLFOA), Ensemble Neural Network.

Language : C++, Python

Coverage (e.g. Literature) : Cyber Security

Citation Reference : 228

(No. of Reference /  
Bibliographic Records)

### **SUBMISSION DETAILS**

Pagination (inclusive of Annexures) : 288

Dimension (e.g. 35cm) : 210 x 290mm

Accompanying Material (e.g. CD/DVD/None) : CD

  
Signature