

### ***Personal Information***

Name	Dr. Nematikanti Anand
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AreasofSpecialization	Cryptography and Software Defined Networks.



### ***Educational Qualifications***

DoctoralDegree	Ph.D.(ComputerScience) University of Hyderabad	2016-2024
PGDegree	M.Tech.(Network & Internet Engineering) Pondicherry Central University	2012-2014(CGPA:8.7)
UGDegree	B.Tech.(Computer Science & Engineering) PVPSIT, JNTU Kakinada	2008-2011(Percentage:73.6, First Class with Distinction)

### ***PapersPublished/Communicated***

#### ***InternationalJournalPublications/ Communicated***

1. N. Anand and M ASaifulla, "EN-LAKP: Lightweight Authentication andKey Agreement Protocol for Emerging Networks," in **IEEE Access**, doi: 10.1109/ACCESS.2023.3255646. [**SCIE** and Scopus Indexed, **Impact Factor: 3.476**]
2. N. Anand, M ASaifulla and Pavan A "Enhancing intrusion detection against denial of service and distributed denial of service attacks: Leveraging extended Berkeley packet filter and machine learning algorithms." IET Communications 19.1 (2025): e12879. [**SCIE and Scopus Indexed, Impact Factor: 1.6** ]
3. N. Anand and M A Saifulla, "Securing Software Defined Networks: A Comprehensive Analysis of Approaches, Applications, and Future Strategies against DoS Attacks". IEEE Access, doi: 10.1109/ACCESS.2024.3520478. [**SCIE and Scopus Indexed, Impact Factor: 3.56**]
4. N. Anand and M ASaifulla, "Protocol based Intrusion Detection System using Hybrid RIDGE Classifier to Imbalanced Datasets: InSDN, UNSW-NB15, BoT-IoT and ToN-IoT". Springer Nature in Cluster Computing Journal, 2024. [**SCIE and Scopus Indexed, Impact Factor: 3.6**] [**Minor comments addressed. Editor Decision pending**].
5. N.Anand and Ankamarao, "Building Enhanced Neural Networks Models to Predict Energy Storage Density of Composite Materials for Low-Temperature Thermochemical Energy Storage", ASME in Journal of Energy Resources Technology, Part A: Sustainable and Renewable Energy, 2024 [SCIE and Scopus Indexed, Impact Factor : 1.7, Communicated ]
6. KC Yadav, N.Anand and M.A Saifulla, "Efficient Intrusion Detection in Software-Defined Networks: A Dimensionality Reduction and Ensemble Learning Approach", Elsevier inEngineering applications of artificial intelligence, 2024 . [SCIE and Scopus Indexed] [Impact Factor: 6.2, Communicated].

### ***InternationalConferencePublications***

1. N. Anand and M ASaifulla, “A probabilistic method to identify http/1.1 slow rate dos attacks”.4thInternationalConferenceonCommunicationandIntelligentSystems,ICCIS 2022, Springer, organized byNational Institute of TechnologyDelhi. [Scopus Indexed]
2. N. Anand and M ASaifulla, “An efficient ids for slow rate http/2.0 dos attacks using one class classification”. 8th International Conference for Convergence inTechnology (I2CT), 2023, IEEE, Bombay section. [Scopus Indexed]
3. N.Anand, M.A Saifulla, G Raja Ashok Reddy, and Pavan P., “EffectiveEncrypted Traffic Analysis”. 7th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2022), 2022. [Scopus Indexed]
4. AftabHussain, M ASaifulla and N. Anand, “Integration of classical and Quantum Network Simulator:NS-3withNetSquid”.7thInternationalConferenceonAdvancedComputingand Intelligent Engineering (ICACIE 2022), 2022. [Scopus Indexed]
5. Pavan P, M.A Saifull and N.Anand, “Improvising Encrypted Traffic Analysis Using Stacking Ensemble Model”. 7th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2022), 2022. [Scopus Indexed]

### ***Awards:***

- AwardedJuniorResearchFellowshipbyUGC(2016)
- ReceivedaspecialawardinMATHSOLYMPIADattheschoollevel.

### ***Certifications***

- QualifiedUGCNET (10+times)inComputerScience&Applications.
- QualifiedASRBNETintheComputerSciencedivision.
- Qualified2timesGATEinComputerSciencedivision.

### ***AnyOtherAchievements***

- Founded ShikshanaEdu Services Private Limited popularly known as (www.solutionsadda.in) in 17/10/2020, Hyderabad.