Personal Information

Name	Dr. Nemalikanti Anand
Email Id	anand.n@bvrithyderabad.edu.in
Areas of Specialization	Cryptography and Software Defined Networks.

Educational Qualifications

Doctoral Degree	Ph.D. (Computer Science) University of Hyderabad	2016-2024
PG Degree	M.Tech. (Network & Internet Engineering) Pondicherry Central University	2012-2014 (CGPA : 8.7)
UG Degree	B.Tech. (Computer Science & Engineering) PVPSIT, JNTU Kakinada	2008-2011(Percentage: 73.6)

Papers Published

International Journal Publications

1. N. Anand and M A Saifulla, "EN-LAKP: Lightweight Authentication and Key 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 and M A Saifulla, "The Future of Network Security: A survey Guide to Building and Protecting Software-Defined Networks". **Elsevier in Computer Communications**, 2023.[**SCIE** and Scopus Indexed, **Impact Factor: 5.047**] **[Communicated].**

3. N. Anand and M A Saifulla, "Protocol based Intrusion Detection System using Hybrid RIDGE Classifier to Imbalanced Datasets: InSDN, UNSW-NB15, BoT-IoT and ToN-IoT". **IEEE Transactions on Network and Service Management**, 2023. [**SCIE** and Scopus Indexed, **Impact Factor: 4.758**] **[Communicated].**

4. N. Anand , M A Saifulla and A. Pavan Kumar, "High-performance Intrusion Detection System using eBPF with Machine Learning algorithms". Springer, JNSM , 2023. **[Communicated, Preprint] DoI: https://doi.org/10.21203/rs.3.rs-3140072/v1, SCI and Scopus Indexed, Impact Factor: 3.6]**

5. KC Yadav, N.Anand and M.A Saifulla, "Efficient Intrusion Detection in Software-Defined Networks: A Dimensionality Reduction and Ensemble Learning Approach", **Elsevier in Digital Communications and Networks, 2023 . [SCIE and Scopus Indexed] [Communicated].**

International Conference Publications

1. N. Anand and M A Saifulla, "A probabilistic method to identify http/1.1 slow rate dos attacks". 4th International Conference on Communication and Intelligent Systems, ICCIS 2022, Springer, organized by National Institute of Technology Delhi. [Scopus Indexed]

2. N. Anand and M A Saifulla, "An efficient ids for slow rate http/2.0 dos attacks using one class classification". 8th International Conference for Convergence in Technology (I2CT), 2023, IEEE, Bombay section. [Scopus Indexed]

3. N.Anand, M.A Saifulla, G Raja Ashok Reddy, and Pavan P., "Effective Encrypted Traffic Analysis". 7th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2022), 2022. [Scopus Indexed]

4. N.Anand, M.A Saifulla, G Raja Ashok Reddy, and Pavan P., "Effective Encrypted Traffic Analysis". 7th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2022), 2022. [Scopus Indexed]

5. Aftab Hussain, M A Saifulla and N. Anand, "Integration of classical and Quantum Network Simulator: NS-3 with NetSquid". 7th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2022), 2022. [Scopus Indexed]

6. 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:

➢ Awarded Junior Research Fellowship by UGC (2016)
➢ Received a special award in MATHS OLYMPIAD at the school level.

Certifications

➢ Qualified UGC NET(8+ times) in Computer Science & Applications.

➢ Qualified ASRB NET in the Computer Science division.

➢ Qualified 2 times GATE in Computer Science division.

Any Other Achievements

➢ Founded Shikshana Edu Services Private Limited popularly known as (www.solutionsadda.in) in 17/10/2020, Hyderabad.