

Dr A S Poornima

Professor, Dept of Computer science and Engineering, SIT

Controller of Examinations, SIT

Contact: 9480408453

Email: aspoornima@sit.ac.in

| | | |
|---|---|---|
|  ORCID Id | : | 0000-0001-9458-4251 |
|  Scopus Id | : | 24315276100 |
|  Google Scholar Id | : | E8UNucQAAAAJ |
| H-index: | : | 10 |
| i-10 Index: | : | 11 |

Faculty ID: SITF0199

EDUCATION

| Degree | Institution | Year of Passing/Awarding | Discipline |
|----------------------|------------------|--------------------------|--------------|
| UG | SIT, Tumkur | 1994 | CSE |
| PG | BMSCE, Bangalore | 2003 | CSE |
| Ph.D | SIT, Tumkur | 2013 | CSE |
| Domain Certification | NPTEL | 2023 | Data Science |

PROFESSIONAL EXPERIENCE

| Designation | From | To | Name of the Institution |
|---------------------|------------|------------|-----------------------------|
| Professor | 20-07-2017 | Till date | Dept. of CSE, SIT Tumkur |
| Associate Professor | 01-01-2011 | 20-07-2017 | Dept. of CSE, SIT Tumkur |
| Assistant Professor | 10-03-2005 | 31-12-2010 | Dept. of CSE, SIT Tumkur |
| Lecturer | 11-10-1999 | 09-03-2005 | Dept. of CSE, SIT Tumkur |
| Lecturer | 01-11-1997 | 04-10-1999 | Dept. of CSE, HMSIT, Tumkur |

(Please fill in reverse order. Current designation should be at the top)

ADDITIONAL RESPONSIBILITIES AT DEPARTMENT LEVEL

- ❖ Instrumental in the design of curriculum for the program “Artificial Intelligence and Data Science”
- ❖ Board of Examiner (BOE) - Chairman (2020 – 2023)
- ❖ Board of Studies (BOS) - Chairman- (2020 – 2023)
- ❖ Department Academic Affairs Committee (DAAC) - Chairman – (2020-2023)
- ❖ Department Project Evaluation Committee (DPEC) – Chairman
- ❖ Currently Member of BOE, BOS, Department Advisory Board (DAB), DAAC, DPEC
- ❖ PG – Coordinator (MTech CNE)
- ❖ Proceedings Chair: First International conference on Emerging Computation and Information Technology (ICECIT-2013) during 22-23, Nov. 2013, in collaboration with Florida International University (FIU), Miami, USA.
- ❖ Proceedings Chair: Second IEEE- International conference on Emerging Computation and Information Technology (ICECIT-2017) during Dec. 15th - 16th, 2017 in collaboration with Florida International University (FIU), Miami, USA.
- ❖ Participated as coordinator /member in various committees.
- ❖ Organized various workshops/FDPs at department level

ADDITIONAL RESPONSIBILITIES AT INSTITUTE LEVEL

- ❖ Controller of Examinations: Since 01-08-2025 till date
- ❖ Assistant Controller of Examinations: 01-01-2024 to 31-07-2025
- ❖ Deputy Warden – Ganaga Ladies Hostel
- ❖ Academic Council- Member
- ❖ Consistently performed various roles and responsibilities at institute level extracurricular and co-curricular events
- ❖ Institute Internal Complaints Committee - Chairman

MEMBER OF PROFESSIONAL SOCIETIES

- ❖ Member of CSI
- ❖ Life member of ISTE
- ❖ Member of IEI

COURSES TAUGHT

Undergraduate Courses

| | |
|----------------------------|---|
| 1. Operations Research | 13. Foundations of Computer Programming |
| 2. Unix System Programming | 14. Advanced Algorithms |

| | |
|--|---------------------------------------|
| 3. Distributed Systems | 15. Distributed Operating Systems |
| 4. Computer Graphics | 16. Software Engineering |
| 5. Operating Systems | 17. Cryptography and Network Security |
| 6. Data Structures | 18. Problem Solving using C |
| 7. Computer Organization | 19. AdHoc Wireless Networks |
| 8. Analysis and Design of Algorithms | 20. Network Security |
| 9. Wireless Sensor Networks | 21. Advances in Computer Networks |
| 10. Foundations of Data Science | 22. Wireless Sensor Networks |
| 11. Data Communication | 23. Data Science with R |
| 12. Object Oriented Programming with C++ | 24. Data Science with Python |

RESEARCH GUIDANCE

| Name of Research Scholar | Research Title | Year of completion/Status |
|--------------------------|--|---------------------------|
| Akshatha Y | Secure Framework for IoT-based Wireless Sensor Network Applications using Soft-Computing Techniques | 2024 |
| Shruthi K | Design and Performance Analysis of Blockchains Based Framework for Digital Health Care | 2025 |
| Ravi V | Enhancing Cybersecurity: Leveraging Robust and Scalable Deep Learning Architectures to Analyze and Classify Encrypted Network Traffic in Heterogeneous | Ongoing |

RESEARCH AREAS

- ❖ Cryptography and Network Security
- ❖ Wireless Sensor Networks
- ❖ Blockchain

ACTIVITIES TOWARDS ACCREDITATION and OUTCOME BASED EDUCATION

- One day training program on “ISO 9001:2008 Internal Auditors Training Program” sponsored by TEQIP-II at SIT, Tumkur held on 31st July 2014.
- Internal quality auditor for ISO 9001:2015 Quality Management System.

NPTEL courses attended (related to Accreditation and Outcome based Education)

| Year | Course Name | Performance |
|------|---|----------------|
| 2024 | NBA Accreditation and Teaching and Learning in Engineering (NATE) | Elite + Silver |
| 2024 | Teaching and Learning in Engineering (TALE) | Elite + Silver |
| 2024 | Effective Engineering Teaching in Practice | Elite + Silver |

PROJECT AND RESEARCH GUIDANCE AT PG LEVEL

Guided more than 30 projects and assisted students to publish their research work.

FDPS/WORKSHOPS/SEMINARS/ WEBINARS ATTENDED

NPTEL FDPs attended

| Year | Course Name | Performance |
|------|--|----------------|
| 2023 | Learning Analytics Tools | Elite + Gold |
| 2023 | Introduction to Machine Learning (IIT KGP) | Elite + Silver |
| 2023 | Data Analytics with Python | Elite + Silver |
| 2023 | An Introduction to Artificial Intelligence | Pass |
| 2022 | Deep Learning | Elite |
| 2022 | Natural Language Processing | Pass |
| 2022 | Blockchain and its Applications | Elite |
| 2022 | Python for Data Science | Elite |

PUBLICATIONS

Journals : 24

1. A.S.Poornima, R.Aparna, B.B.Amberker, Storage and Rekeying cost for cumulative member removal in Secure Group communication, International Journal of Computer Science and Network Security – Vol. 7, No. 9, PP-212-218 Sept. 2007.
2. A.S. Poornima, B.B. Amberker, Key Management Schemes for Secure Communication in Heterogeneous Sensor Networks, International Journal of Recent Trends in Engineering (IJRTE), ISSN 1797-9617, Volume 1, Number 1, pp. 243-247, May 2009.
3. A.S. Poornima, B.B. Amberker, PERSEN : Power Efficient Logical Ring based Key management for Clustered Sensor Networks, International Journal of Sensor Networks (IJSNet) (Inderscience Publishers), vol. 10, No. ½, pp. 94-103, 2011.
4. A.S. Poornima, B.B. Amberker, Secure Data Collection Using Mobile Data Collector in Clustered Wireless Sensor Networks, IET Wireless Sensor Systems, vol. 1, No. 2, pp. 85-95, 2011.
5. A S Poornima, Dr. B B Amberker, Secure End-to-End Data Aggregation (SEEDA) Protocol for Wireless Sensor Networks, International Journal of Ad Hoc and Sensor Wireless Networks, Old City Publication, Vol.17, No. 3-4, Pg. 193-219, March, 2013.

6. A S Poornima, Dr. B B Amberker, Key Establishment Protocols for Secure Communication in Clustered Sensor Networks, *International Journal of Communication Network and Distributed System*, Inderscience Publications, Vol.11, No. 2, Pg. 120-138, July, 2013. (DOI: 10.1504/IJCND.2013.055514)
7. Tejaswini B L, Dr. A S Poornima Dhruthi S, AUTOSAR for local Interconnect Network management in Basic Software Modules, *International Journal of Scientific Engineering and Technology*, Vol. 2, No. 7, pp.733-736, July 2013.
8. Ramya M, Dr. A S Poornima, Mobile Data Collector for Secure Time Synchronization in Clustered Wireless Sensor Networks, *Graduate Research in Engineering and Technology (GRET) an International Journal*, Vol. 1, No. 2, 2013.
9. Kumar M.V, Poornima A. S, A Multi-Cloud Approach Towards Addressing Security Issues of Cloud: A Survey, *International Advanced Research Journal in Science, Engineering and Technology*, Vol.3, Issue:3, pg.no. 122-125, March 2016, ISSN (Online) 2393-8021, ISSN (Print) 2394-1588, DOI: 10.17148/IARJSET.2016.3327.
10. Anil Kumar G, A S Poornima, A Survey on Data Integrity methods in Cloud Storage, *European Journal of Engineering and Science*, Vol.1, Issue.5, Nov 2016.
11. Akshatha Y, A. S. Poornima, Nirmala M. B, Secure Data Collection in Clustered Wireless Sensor Networks using Fuzzy based scheme to detect Malicious Data Collector, *Journal of Huazhong University of Science and Technology*, Volume 50, Issue 6, Pages 1-7, July 2021, ISSN-1671-4512, Paper ID: HST-0621-657.
12. Y. Akshatha, A. S. Poornima, "A Study on Confidentiality and Authenticity in Data Aggregation for Wireless Sensor Network," *International Journal of Advances in Engineering and Management (IJAEM)*, vol. 2, no. 8, pp. 344–350. DOI: 10.35629/5252-0208344350
13. Nirmala M. B and A. S. Poornima, Data Leakage Detection by Adaptive Weighted Graph Walk Model, *Journal of Huazhong University of Science and Technology*, Volume 50, Issue 6, Pages 1-7, July 2021, ISSN-1671-4512, Paper ID: HST-0621-709.
14. Y., Akshatha., & Poornima, A. S. "IoT Enabled WSN and Machine Learning Techniques to Surveillance the Smart Irrigation System," *International Journal of Intelligent Systems and Applications in Engineering*, 11(3), 199–208. Retrieved from <https://ijisae.org/index.php/IJISAE/article/view/3160>
15. K. Shruthi, A. S. Poornima, "Medical Data Asset Management and an Approach for Disease Prediction using Blockchain and Machine Learning," *International Journal of Engineering Trends and Technology (IJETT)*, vol. 71, no. 4, pp. 491-514, 2023. Crossref, <https://doi.org/10.14445/22315381/IJETT-V71I4P242>
16. Shruthi K.;Poornima A.S. A Method for Predicting and Classifying Fetus Health Using Machine Learning *International Journal of Intelligent Systems and Applications in Engineering*, Volume 11, Year 2023, Pages 752-762
17. Kumarswamy, Shruthi., Sampigerayappa, Poornima .Atthikatte. (2024). A review of blockchain applications and healthcare informatics. *International Journal of Safety and Security Engineering*, Vol. 14, No. 1, pp. 267-287. <https://doi.org/10.18280/ijss.140127>

18. Kumarswamy, S., Sampigerayappa, P.A. (2024). Leveraging blockchain technology to establish a transparent and counterfeit-resistant pharmaceutical supply chain. *Journal Européen des Systèmes Automatisés*, Vol. 57, No. 5, pp. 1429-1443. <https://doi.org/10.18280/jesa.570518>
19. Shruthi K.;Poornima A.S.;Shariff M.;Pradeep Singh S.M.;Subramanyam D.P.;Varun M.H. Convolutional Neural Network For Detection Of Oral Cavity Leading To Oral Cancer From Photographic Images *International Journal of Computing and Digital Systems*, Volume 15, Year 2024, Pages 865-877 DOI:10.12785/ijcds/150162
20. Kumarswamy, S., & Athikatte Sampigerayappa, P. (2025). Securing patient data and access control in electronic health records with Ethereum blockchain. *Bulletin of Electrical Engineering and Informatics*, 14(4), 3037-3051. doi:<https://doi.org/10.11591/eei.v14i4.9524>
21. Ravi Veerabhadrappe and Poornima Athikatte Sampigerayappa, “Classifying Network Flows through a Multi-Modal 1D CNN Approach Using Unified Traffic Representations,” *Computers, Systems & Science Engineering*, vol. 49, no. 1, pp. 333–351, 2025. <https://doi.org/10.32604/csse.2025.061285>
22. V. Ravi and A. S. Poornima, “SecMa: A Novel Multimodal Autoencoder Framework for Encrypted IoT Traffic Analysis and Attack Detection,” *Engineering, Technology & Applied Science Research*, vol. 15, no. 3, pp. 23020–23026, June 2025. <https://doi.org/10.48084/etasr.10336>
23. Veerabhadrappe, R. and Sampigerayappa, P. A., “Enhancing DNS-over-HTTPS Traffic Classification in Heterogeneous Networks Through Latent Space Analysis with a Tabular-Variational Autoencoder and Self-Attention Classifier Model,” *Artificial Intelligence and Applications*, 2025. <https://doi.org/10.47852/bonviewAIA52025552>
24. Veerabhadrappe, R. and Sampigerayappa, P. A., “Enhancing Network Security with a Multi-Modal Auto-Encoder for Netflow Traffic Analysis,” *Informatica*, vol. 49, no. 18, December 2025. <https://doi.org/10.31449/inf.v49i18.9727>

Conference Proceedings : 47

1. A.S.Poornima, B.B.Amberker, Implementation of Secure Group Communication using Key Graph, National Conference on Mobile Computing & Networking (MobicomNet), Dept. of Computer Application, VIT Deemed University, Vellore, 2004.
2. A S Poornima, R. Aparna , Dr. B.B. Amberker & Dr. Prashant Koulgi, A Periodic Group Rekeying Approach For Secure Multicast Using One Way Hash Functions, International Conference on Advanced Computing and Communication, at Sethu Institute of Technology, Pullor, Kariapatti, Tamilnadu Feb. 9-10, 2007.
3. A.S. Poornima, R. Aparna, B.B.Amberker, Key management for cumulative member removal in Secure Group Communication, International Conference on Embedded Systems Mobile Communication and Computing, PESIT, Bangalore August 2007.

4. A.S. Poornima, R. Aparna, B.B.Amberker, SDS: A New Distributed Key Management Technique, International Conference on Information Processing, Bangalore August 2007.
5. A S Poornima, R. Aparna , Dr. B.B. Amberker & Dr. Prashant Koulgi, String Searching in Dispersed Files using MDS Convolutional codes, Fourth International Conference on Cryptography, Coding and Information Security, Venice, Italy. Nov 2007.
6. A S Poornima, Dr. B.B. Amberker, Hash Based Key Management Scheme for Multiple User Revocation in Secure Group Communication, International Conference on Information and Communication Technologies , Bangkok, Thailand, Dec 2007.
7. A S Poornima, Dr. B.B. Amberker, A Secure Group Key Management Scheme for Sensor Networks, The 5th International Conference on Information Technology - New Generations, Las Vegas, Nevada, USA Apr. 7-9, 2008.
8. A.S. Poornima, B.B. Amberker, Distributed Key Management Technique for Reliable Secure Group Communication, The 5th International Conference on Information Technology - New Generations, Las Vegas, Nevada, USA Apr. 7-9, 2008.
9. A.S. Poornima, B.B. Amberker A New Approach to Securing Broadcast data in Sensor Networks, The 2008 International Symposium on Trusted Computing (TrustCom 2008), China Nov. 18- 20, 2008.
10. A.S. Poornima, B.B. Amberker Tree-based Key Management Scheme for Heterogeneous Sensor Networks, 16th IEEE International Conference on Networks, New Delhi, India, Dec. 12-14, 2008.
11. A.S. Poornima, B.B. Amberker, Protocols for Secure Node-to-Cluster Head Communication in Clustered Wireless Sensor Networks, International Conference on Contemporary Computing, Aug 17-19, 2009.
12. A.S. Poornima, B.B. Amberker, An Energy Efficient Deterministic Key Establishment Scheme for Clustered Wireless Sensor Networks, 16th Annual International Conference on High Performance Computing (HiPC'09), December 16-19, Kochin, India, 2009.
13. A.S.Poornima, B.B.Amberker, Agent Based Secure Data Collection in Heterogeneous Sensor Networks, The 2nd International Conference on Machine Learning and Computing (ICMLC 2010), February 9-11, Bangalore, India, 2010.
14. A.S.Poornima, B.B.Amberker, Logical Ring based Key Management for Clustered Sensor Networks with Changing Cluster Head, International Conference on Signal Processing and Communications - 2010 (SPCOM 2010), IISc Bangalore, India, July 18-21, 2010.
15. A.S.Poornima, B.B.Amberker, SEEDA : Secure End-to-End Data Aggregation in Wireless Sensor Networks, Seventh International Conference on Wireless and Optical Communication Networks (WOCN 2010), Srilanka , September 6-8, 2010.
16. A.S.Poornima, B.B.Amberker, HS Likith Raj, S Naveen Kumar, KN Pradeep, SV Ravithej, Secure Data Collection in Sensor Networks using Tree based Key

Management and Secret Sharing, International Conference on Computer Information Systems and Industrial Management Applications (CISIM), Aug, 2010.

17. A.S.Poornima, B.B.Amberker, Key Establishment Scheme for Clustered Sensor Networks using Secret Sharing, 6th International conference on Information Systems Security (ICISS-2010), Dec. 15-19, Gujarat, 2010.
18. K Divya & Dr. A S Poornima. Access Control and Data Updation for Shared Data in Cloud, International Conference on Emerging Computation and Information Technologies, ICECIT , Pages: 217-224, 2013.
19. K P Impana & Dr. A S Poornima. Secure Data Sharing for Hierarchical Subgroups in Cloud, International Conference on Emerging Computation and Information Technologies, ICECIT , Pages:209-216, 2013.
20. Uma S, Dr. A S Poornima, Efficient and Authenticated Secret Routing Protocol to protect Against Attacks in MANETS, 7th International Conference on Cloud Computing Computer Science and Advances in Information Technology (ICCCIT-2015), Bangalore.
21. Kumar M.V Poornima A. S Survey on Access Control Scheme in Cloud Computing, National Conference on Emerging Trends and Advances in Information Technology (NCETAIT-2016), Dept of CSE, AIT, Chikmagalur, 28-30 January, 2016.
22. Usha M K, Dr. A S Poornima, Node-To-Node Authentication Protocol to Prevent Black Hole Attack in AODV, IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), Chennai, 23-25, March, 2016.
23. Chaithra.R, Dr. A.S Poornima, A Mobile Ad hoc Cloud for Automated Video Surveillance System With message Alert, International Conference on Trends in Electronics and Informatics (ICOEI 2018).
24. H Shravani, Dr. A. S. Poornima, A Comparative Analysis of Encryption Techniques for Securing Cloud Data, 2nd IEEE International conference on Electronics, Communication and Aerospace Technology (ICECA 2018). RVS Technical Campus, Coimbatore, India on 29, 30, 31 March, 2018.
25. Kavyashree T P, Dr. A S Poornima, Secure data integrity in cloud storage with multi-level hash indexing technique, International Conference on Sustainable Communication networks and Application (ICSCN), June, 2019.
26. Anna Mariam Chacko , Bhuvanapalli Aditya Pranav , Bommanapalli Vijaya Madhvesh, and Dr. A. S. Poornima Customer Lookalike Modeling : A Study of Machine Learning Techniques for Customer Lookalike Modeling, International Conference on Sentimental Analysis and Deep Learning (ICSADL-2020), Coimbatore, Tamil Nadu, 2nd - 3rd April 2020.
27. Akshatha P.;Manasa G.L.;Nayanashree H.C.;Poornima A.S, Fraud detection in health insurance claims using machine learning and deep learning techniques, 12th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021, Volume 2021-August, Year 2021, Pages 57-63.

28. Shruthi K.;Poornima A.S. Blockchain and its applications in healthcare data: A survey, 12th International Conference on Advances in Computing Control and Telecommunication Technologies Act 2021, Volume 2021-August, Year 2021, Pages 176-183.
29. Srivastava A.;Farooq K.;Rakshitha B.;Kumari R.;Shruthi K.;Poornima A.S.;Nirmala M.B, Blockchain based Medical Data Asset Management System, 13th International Conference on Advances in Computing Control and Telecommunication Technologies Act 2022, Volume 8, Year 2022, Pages 760-767.
30. Siri A.M.;Kushala R.;Meghana J.P.;Shetty P.R.;Shruthi K.;Poornima A.S.;Nirmala M.B., Novel Approach for Disease Prediction in Healthcare using Blockchain and Machine Learning, 13th International Conference on Advances in Computing Control and Telecommunication Technologies Act 2022, Volume 8, Year 2022, Pages 733-743.
31. Akshatha Y. and A. S. Poornima, "IoT Enabled Smart Farming: A Review," in 2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, India, 2022, pp. 431–436, doi: 10.1109/ICICCS53718.2022.9788149.
32. Shruthi. K and Poornima. A. S, "Blockchain and IoT-Based Medical Care Utilizing Secure and Protection Safeguarding Watermark," 2023 International Conference on Smart Systems for applications in Electrical Sciences (ICSSES), Tumakuru, India, 2023, pp. 1-6, doi: 10.1109/ICSSES58299.2023.10199222.
33. Jogi S., Shilpa B. K., Samyaktha G. A., Akshatha Y., Poornima A. S., "Identifying and Counting of Blood Cells Automatically Using Machine Learning and Deep Learning Techniques," in *Proceedings of the 14th International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT)*, 2023, vol. 2023-June, pp. 1882–1888.
34. Akshatha Y., Gupta S., Mahesh T. S., Poornima A. S., "IoT Enabled Secure Irrigation Management Using Machine Learning Techniques," in *Proceedings of the 14th International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT)*, 2023, vol. 2023-June, pp. 1835–1843.
35. P. S. S. M, M. Shariff, S. D. P, V. M. H, Shruthi. K and A. S. Poornima, "Real Time Oral Cavity Detection Leading to Oral Cancer using CNN," 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), Bengaluru, India, 2023, pp. 1-7, doi: 10.1109/NMITCON58196.2023.10275851.
36. Shruthi. K and A. S. Poornima, "A Transparent and Privacy-Preserving Job Search Platform Built on the Ethereum Blockchain Framework," 2023 IEEE 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA), Imphal, India, 2023, pp. 235-242, doi: 10.1109/ICIDeA59866.2023.10295065.
37. Shruthi. K, Poornima. A. S, A. D, S. R and Y. J, "Healthcare Insurance Fraud Detection Powered by Blockchain and Machine Learning: An Analysis and Framework," 2024 IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE), Rourkela, India, 2024, pp. 1-6, doi: 10.1109/ICSPCRE62303.2024.10675307.
38. K. Shruthi and A. S. Poornima, "SafeMeds: A Blockchain-Driven Drug Supply Chain Verification System," 2024 International Conference on Recent Advances in Science

and Engineering Technology (ICRASET), B G Nagara, Mandya, India, 2024, pp. 1-6, doi: 10.1109/ICRASET63057.2024.10895569.

39. Ravi V. and A. S. Poornima, "Designing a Robust Network Traffic Annotator and Classifier Using Active Learning Technique," in Proceedings of the Asia Pacific Conference on Innovation in Technology (APCIT), India, 2024, pp. 1–5. DOI: 10.1109/APCIT62007.2024.10673.
40. K. Shruthi and A. S. Poornima, "EHR-Chain: Implementing a Blockchain-Based Electronic Health Record System at Tumakuru Siddaganga Hospital Using Ethereum for Enhanced Security and Patient Care," 2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS), Chickballapur, India, 2025, pp. 1-6, doi: 10.1109/ICKECS65700.2025.11035438.
41. Shruthi. K, A. S. Poornima, K. LG, M. Shreyank and P. G. T, "Hieranet: Hierarchical Blockchain-Based Data Management System for Smart Healthcare," 2025 2nd International Conference on Software, Systems and Information Technology (SSITCON), Tumkur, India, 2025, pp. 1-6, doi: 10.1109/SSITCON66133.2025.11341934.
42. V. Ravi and A. S. Poornima, "Transformers for Effective Feature Representation in Building Resilient Classifiers for Encrypted Network Traffic," in Proceedings of the International Conference on Knowledge Engineering and Communication Systems (ICKECS), Chickballapur, India, 2025, pp. 1–6. DOI: 10.1109/ICKECS65700.2025.11035226.
43. Ravi V. and A. S. Poornima, "Flow-Based Metadata with Robust Machine Learning Approaches for Application Classification in Diverse Network Traffic," in Proceedings of the 2025 Annual International Conference on Data Science, Machine Learning and Blockchain Technology (AICDMB), 2025, pp. 1–5. DOI: 10.1109/AICDMB64359.2025.11277451.
44. Ravi Veerabhadrapa and P. A. Sampigerayappa, "A Hybrid Approach for Mobile Traffic Classification: Integrating Multimodal Feature Representation and Machine Learning," presented at the 2025 International Conference on Information and Communication Systems (ICICS), India, 2025.
45. Ravi Veerabhadrapa and P. A. Sampigerayappa, "Stacked Intelligence: Detecting DGA Domains with BEACON and Ensemble Models," presented at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT), India, 2025.
46. Shruthi. K, A. S. Poornima, K. K. M, P. S and S. K. J, "Medical Blockchain: Ensuring Privacy in Sharing and Storing of Electronic Health Records Using Smart Contracts," 2025 1st International Conference on Data Science and Intelligent Network Computing (ICDSINC), Raipur, India, 2025, pp. 393-398, doi: 10.1109/ICDSINC66221.2025.11448160.
47. Manoj S., Lakshmipathi R., Bhavith S. D., Kalpana Killi, Poornima A. S., Ravi V., "DoH-BerTractor: A Contrastively Pretrained Transformer Model for Detection of DNS Tunneling Attacks," , 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS), 2026