Name   : Rincy Raphael

Designation   : Guest Lecturer

Email Id   : rincy@prajyotiniketan.edu.in

Educational Qualifications: M.Tech, MCA, Ph.D doing

Achievements

- Qualified UGC-NET in Computer Science and Applications in November 2017 and November 2020.
- Qualified for MANF Fellowship on November 2020 (Ref.No: KL1852000712)
- 6th Rank (First Class with Distinction) from M.Tech CSE in Mahatma Gandhi University in November 2014

Journals Published

- Rincy Raphael and Mathiyalagan P., "Intelligent Hyperparameter-Tuned Deep Learning-Based Android Malware Detection and Classification Model", Journal of Circuits, Systems, and Computers, Vol. 32, No. 11 (2023) 2350191, World Scientific Publishing Company, Scopus Indexed, DOI: 10.1142/S0218126623501918

- Rincy Raphael, Vinod P, Bini Omman, *"X–ANOVA and X–U-Test features for Android Malware Analysis"*, IEEE conference publication in International Conference on Advances in Computing, Communications and Informatics, ***IEEE Xplore Digital Library***, DOI: 10.1109/ICACCI.2014.6968608, September 2014.

- Rincy Raphael, Vinod P, Bini Omman, "*X-ANOVA ranked feature for Android Malware Analysis*", International Journal of Research in Advanced Engineering and Technology (IJRAET), Volume 2, Issue 3, Pages 28-33, May 2016, ISSN: 2455-0876.

- Rincy Raphael, "*Client side Solution to Detect the Malicious HREF value in the Web Pages*", International Journal of Computer Engineering and Applications (IJCEA), Vol XII, Issue II, February 2018, ISSN: 2321-3469.

- Rincy Raphael, " *A Survey of Android Platform based Malware Detection Techniques*", International Journal of Computer Engineering and Technology (IJCET), Vol 9, Issue 2, Page 140-149, Mar-Apr 2018, ISSN: 0976-6367.

- Rincy Raphael, "*Various Data Mining Techniques to Detect the Android Malware Applications: A Case Study*", International Journal of New Technology and Research (IJNTR), Volume-5, Issue-6, June 2019, Pages 65-72, ISSN: 2454-4116.

- Rincy Raphael, "*Aggravation of Mobile Banking Trojan in Android Platform and its Mitigation Techniques*", International Journal of Computer Trends and Technology (IJCTT) – Volume 67, Issue 8, Pages 33-38, August 2019, ISSN: 2231-2803.

- Rincy Raphael and Dr. Mathiyalagan P. "An Exploration of Changes Addressed in the Android Malware Detection Walkways", In proceeding of 4th International Conference on Computational Intelligence, Cyber Security and Computational Models (ICC3 2019), Coimbatore, Tamil Nadu, 19, 20 & 21 December 2019. Volume Number 1213, ISSN 1865-0929 ISSN 1865-0937 (electronic), Communications in Computer and Information Science (CCIS), ISBN 978-981-15-9700-8 (eBook), *Springer - Singapore*, *Scopus Indexed*, https://doi.org/10.1007/978-981-15-9700-8.

- Anupama M L, P. Vinod, Corrado Aaron Visaggio, M. A. Arya, Josna Philomina, **Rincy Raphael**, Anson Pinhero, K. S. Ajith, P. Mathiyalagan, "*Detection and Robustness Evaluation of Android Malware Classifiers*", Journal of Computer Virology and Hacking Techniques, Springer, June 2021, *Scopus Indexed,* DOI:10.1007/s11416-021-00390-2.

- Tom Jacob, Rincy Raphael, Stebiya M.V., "*Capital Market Integration of ASEAN-5 Countries: An Empirical Analysis*", Review of Professional Management, Volume -19, Issue – 1, Pages 80 - 90 , January – June 2021, ISSN No: 0972-8686, Online ISSN No: 2455-0647. DOI No.: 10.20968/rpm/2021/v19/i/164386. *(UGC Care list)*

- Tom Jacob, Rincy Raphael, Ajina V.S, "*Impact of Exchange Rate and Inflation on the Export Performance of the Indian Economy: An Empirical Analysis*", Birla Institute of Management Technology, BIMTECH Business Perspective (BSP), Pages 1-13, 2021. *(SAGE Publications)*

- Tom Jacob, Rincy Raphael, "*Macroeconomic Dynamics of Foreign Portfolio Investment in India: An Empirical Analysis*", Review of Professional Management, Volume -17, Issue -2, July-Dec 2019, ISSN No: 0972-8686, Online ISSN No: 2455-0647. DOI No. 10.20968/rpm/2019/v17/i2/149814, *(UGC Care list)*

- Tom Jacob, Rincy Raphael, "*Financial Integration of BRICS Equity Markets: An Empirical Analysis*", UNNAYAN, Volume XII, Issue –II, Pages 1-15, July 2020, ISSN No. 2349-6622.

- Rincy Raphael and Tom Jacob, "*Foreign Institutional Investment Behaviour and Indian Capital Market: A Causality Analysis*", International Journal of Management Technology and Engineering (IJMTE), Volume 8, Issue VI, June 2018, ISSN: 2249-7455.

- Tom Jacob, Rincy Raphael, "Efficiency of Public and Private Banks in India: An Empirical Analysis", SRUSTI Management Review, A Journal of Management and IT, Vol – XII, Issue – II, Pages 75 – 81, July-Dec 2019.

Book Published

- "Malware in Android Environment", Lambert Academic Publishing (LAP), International Book Market Service Ltd., member of OmniScriptum Publishing Group, Mauritius, 2019, ISBN No: 978-620-0-46878-9.

Presentations

- Rincy Raphael and Bini Omman, "*XSS Monitor: Identify of Malicious Href Values in the Web Pages*", In proceedings of IEEE's International Conferences for Convergence of Technology (I2CT), Pune, India, April 2014.

- Rincy Raphael, Vinod P, Bini Omman, *"X–ANOVA and X–U-Test features for Android Malware Analysis"*, In the proceedings of 3rd IEEE International Workshop on Cyber-Physical Systems and Social Computing (ICACCI 2014), Greater Noida, India, September 2014.

- Rincy Raphael and Dr. Mathiyalagan P. "*An Exploration of Changes Addressed in the Android Malware Detection Walkways*", In proceeding of 4th International Conference on Computational Intelligence, Cyber Security and Computational Models (ICC3 2019), Coimbatore, Tamil Nadu, 19, 20 & 21 December 2019.

Courses Certified:

- Microsoft .NET Framework 3.7-ASP.NET Application Development using C# certified.
- Infosys Campus Connect training program certified.
- IBM Rational Application Developer certified.
- Trained in IBM DB2 9.7 program.
- SWAYAM ARPIT Online Course in "Big Data Analytics for Smart Grid" has successfully completed on 16th February 2020, AICTE, NITTTR Chandigarh.
- NPTEL "Python for Data Science" (4 Weeks) course on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester and scored 93% mark.
- NPTEL "Data Mining" (8 Weeks) course on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester and scored 85% mark.
- NPTEL "Cloud computing" (8 Weeks) course on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester and scored 82% mark.
- NPTEL "Machine Learning" (8 Weeks) course on the SWAYAM platform (swayam.gov.in), during the Feb-Apr 2022 semester and scored 65% mark.
- NPTEL "Big Data Computing" (8 Weeks) course on the SWAYAM platform (swayam.gov.in), during the Aug-Oct 2022 semester and scored 67% mark.

Experience:

- Worked as Assistant Professor (on contract) in the Department of B. Voc (Aided) at St. Aloysius College Elthuruth, from 7th Nov 2014 to 30th Aug 2017.

FDP Programs Attended

- Five days FDP on "Data Analytics" organized jointly by Innovation and Entrepreneurship Development Centre of MES AIMAT Marampally ICT Academy of Kerala and Kerala startup Mission during 26th – 30th August 2019.

- Seven days FDP on "R Programming" organized by department of Computer Science at St. Joseph's College, Irinjalakuda in association with Spoken tutorial, IIT Bombay during 4 th – 10th May 2020.
- Two days online FDP on "Project proposals for Funding Agencies (UGC Stride & ICSSR Impress): Preparation and Submission Protocol" organized by Patrician College Research Committee on 16th -17th May 2020.
- One day online FDP on "My Life My Pride My Career" organized by the department of Accounting & Finance in association with Audacious Dreams Foundation held on 18th May 2020.
- Five days FDP on "Cyber Security oversights for Information Protection" organized by CUSAT University, Cochin in association with AICTE Training and Learning (ATAL) Academy during 12-16 July 2021.
- NPTEL FDP Online Certification course on "Machine Learning" has been completed successfully during February-April 2022.
- Two weeks International Winter School on ""Cyber Security and Threat Intelligence" organized at department of Computer Applications in CUSAT University during 17-28 January 2022.
- NPTEL FDP Online Certification course on "Big Data Computing" has been completed successfully during August- October 2022.

Online Courses Attended

- "Artificial Intelligence for Data Analytics", offered by Department of Computer Science and Engineering in Sri Ramakrishna Engineering College, Coimbatore, during 4th – 6th May 2020.
- "Research Methodology for Social Science", successfully completed with the grade A organized by Indian Acadamic Researches Association (IARA) during 6th – 12th April 2020.
- "Financial Markets and Investments", conducted by Globsyn Business School online – a platform for digital learning powered by Globsyn Business School in April 2020.
- "Industry 4.0", conducted by Globsyn Business School online – a platform for digital learning powered by Globsyn Business School in April 2020.
- "Ethical Hacking: Introduction to Ethical Hacking" organized by Computing Technology Industry Association (CompTIA) in LinkedIn Learning on 30 April 2020.
- "Block Chain Basics" organized by National Association of State Boards of Accountancy (NASBA) in LinkedIn Learning on 30 April 2020.
- "Artificial Intelligence Foundations: Neural Networks" organized by National Association of State Boards of Accountancy (NASBA) in LinkedIn Learning on 1 May 2020.
- "Artificial Intelligence Foundations: Machine Learning" organized by National Association of State Boards of Accountancy (NASBA) in LinkedIn Learning on 1 May 2020.
- "Research Methodology for Social Science Research" awareness online test conducted by IQAC of MES Asmabi College, P Vemballur, Kerala on 27th April 2020. "Probability and Econometrics" online examination on 30th April 2020.

Webinar Participated

- International webinar on "Introduction to Hyper Converged Computing Technology" organized by department of Computer Science at St. Joseph's College, Irinjalakuda on 26 May 2020.
- National webinar session entitled as "Managing your Finance and Investments during COVID-19" organized jointly by department of Commerce in Christ College Irinjalakuda and Finmark Trainers India Pvt Ltd. On 26th May 2020.
- National webinar on "Secure Coding Practices" organized by department of Computer Science at St. Joseph's College, Irinjalakuda on 22 May 2020.
- National webinar on "Data Science and Predicative Marketing" organized by department of Computer Science at St. Joseph's College, Irinjalakuda on 20th May 2020.
- International webinar on "Contactless Teaching and Learning Pedagogy" organized by IQAC, St. Xavier's College for Women, Aluva on 19 May 2020.
- National webinar on "Advanced Technologies using Cloud Computing" organized by department of Computer Science at St. Joseph's College, Irinjalakuda on 19th May 2020.
- National webinar on "Block Chain Technology" organized by department of Information Technology at Vivekanandha College of technology for Women, Tiruchengode on 18th May 2020.
- National webinar on "Advanced Networking Concepts" organized by department of Computer Science at St. Joseph's College, Irinjalakuda on 17th May 2020.
- National webinar on "Data Analytics: Challenges and Opportunities" organized by department of Computer Science at St. Joseph's College, Irinjalakuda on 16th May 2020.
- National webinar on "Robotics Application for COVID-19 Pandemic" conducted by Social Innovation Club of Electrical and Communication Engineering in association with IETE Chapter held on 15th May 2020.
- Rashtriya Uchchatar Shiksha Abhiyan (RUSA) sponsored National webinar on "The Art of Writing Research Papers" organized by IQAC, Mar Athanasius College, Kothamangalam on 14th May 2020.
- National webinar on "Writing a Winning Project Proposal" organized by IQAC, Mar Athanasius College, Kothamangalam on 11th May 2020.
- International webinar on "COVID-19 and the World Economies" organized by IQAC, St. Paul's College, Kalamassery on 8 May 2020.
- National webinar on "Post-Corona Facelift of Religion and Culture: An Anthropological Analysis of the Pandemic" organized by IQAC and P. G. Department of English & Centre for Research at Baselius College, Kottayam on 8th May 2020.
- Inter-collegiate Webinar on "Data Analytics and Machine Learning" conducted by Christ College (Autonomous), Irinjalakuda in association with IPSR Ltd. On 26 June 2021.
- National Webinar on "Recent Trends in Data Analytics 2021 – Research Perspective" Organized by PG department of Computer Science at KMM College of Arts and Science, Thrikkakara on 17th July 2021.

- International Webinar on "How to Improve Acceptance Rate and Publish in High Quality Journals" organised by Aloysius College, Thrissur on 5th September 2022.
- International Webinar on "Inculcating Research Culture" conducted by department of Computer Science at Jyoti Nivas College, Bangalore, on 24th September 2022.

Seminar Participated

- One day National seminar on "Recent Developments in Computational Intelligence and Applications" organized by department of Computer Science, Christ College, Irinjalakuda on 7th March 2020.

Workshop Attended

- Attended a workshop on "Network Security" at Karpagam College of Engineering, Coimbatore, October 2010.
- Attended workshop on "Vulnerability Exploits and Defense Techniques on Computer Networks" conducted by Mirox Cyber Security & Technology Pvt. Ltd, at SCMS School of Engineering & Technology, September 2012.
- Attended Industrial training on "Advanced Computer Networking" at Regional Telecom Training Center at Trivandrum, September 2013.
- Attended a workshop on "Research Enrichment Workshop Series – II" organised by the Department of Commerce and Management Studies at University of Calicut, April 2017.
- Attended "National workshop on Advanced Topics in Econometrics" at Zamorin's Guruvayurappan College, Calicut, April 2017.
- Attended a workshop on "Research Enrichment Workshop Series – III" organized by the Department of Commerce and Management Studies at University of Calicut, May 2017.
- One day workshop on "E-content authoring Tool: Adobe Captivate" conducted by IQAC, Christ College, Irinjalakuda, on 16th February 2019.
- Five days International workshop on "Information and Network Security Challenges and solutions using Artificial Intelligence Approaches" organized by department of Computer Applications in CUSAT during 14-18 December 2020.
- Five days' Workshop on "Introduction to Machine Learning Techniques" organized at department of Computer Applications in CUSAT University during 22-26 March 2021.

RINCY RAPHAEL