

**DR. RAMESH CHERIPELLI**

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**TEACHING & RESEARCH (Computer Science and Engineering) **

**“12+ years’ rich experience in the areas of teaching, programming and research** in the fields of Computer Science and Engineering along with **3+ years of Industrial experience** both working as team and as an individual in a research oriented environment and been abreast in the latest technologies. ”

**CERTIFICATIONS**

1. Microsoft Certification (MCPID: 6135892) Microsoft .NET Framework 2.0 - Web-Based Client Development (70-528) inC#
2. App Customization Specialist Super badge from Salesforce

**PATENTS PUBLISHED**

1) Methods for Secure Communication using ASCII Cryptography

2) Encrypted Data search: Z – GRAM-BASED INTELLIGENT TEXT SEARCH OVER ENCRYTED DATA IN CLOUDCOMPUTING

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| **POSITIONS HELD** | |
| Research & Development Department Coordinator | JNTUH Online Evaluation System In-charge |
| Department Placement Coordinator | M.Tech Projects Coordinator |
| College Website Design & Maintenance Administration | Maintaining & Upgrading Learning Management System |
| Microsoft teams development for GNITs and Pulla Reddy Pharmacy College for conducting online classes | Faculty and Students organization E-mail id creation and maintenance NPTEL Co-Coordinator |

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# PROFILE SNAPSHOT

Subject matter expert with experience in teaching students pursuing Bachelors & Master in Computer Sciences and Information Technology. Possess in-depth knowledge in related subjects with good record of research publications in Scopus & UGC journals. Hands on experience in preparing E-Content for CPDS, ADSA using JAVA/C++, OS & Advanced Algorithms.



 Academics oriented individual **holding B.Tech. (Qualified GATE 2003 with 96.81%), M.Tech. (Full time) & Ph.D. degrees in Computer Sciences**, committed to professional development **(awarded with Inspire Faculty Partnership Level 2017 by Infosys);** developing Microsoft teams for conducting online classes, workshops & seminars both offline & online.

* Diligent & resourceful professional with excellent analytical & communication skills, active coordinator & participant of seminars, workshops and staff meetings. Possess excellent presentation skills, remarkably clear, attractive and well- controlled voice, good command over English. Good in counseling and motivating students in learning.
* Astute professional with excellent mentoring skills, proven acumen to quickly assess needs and provide tools to resolve difficulties, enhance learning, improve performance. Student-centered communicator with capability in understanding the psychology of students and communicating accordingly.



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| **KEY COMPETENCIES** | |
| Research & Development | Curriculum Development |  |
| Teaching-offline & online (Microsoft Teams, Google Meet) | Student Assessment - offline & online (Google Forms) |  |
| Class Management | Lesson Plans |  |
| Lab Operations | Cross Functional Coordination |  |
| Talent Development | Professional Motivation |  |
| Co-curricular Activities | Crisis Management |  |
| Education Counseling | Training & Development |  |
| Communication Skills | Analytical Skills |  |
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## PUBLICATIONS

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| --- | --- | --- |
| **S.No** | **Title of Publication** | **Name of Journal or Proceeding of Conference together with Month and Year of Publication** |
| 1 | Evaluation Of Machine Learning Models For Employee Churn Prediction | International Journal of Advanced Science and Technology ( IJAST)  Vol. 29, No. 7s, (2020), pp. 4392-4398 ISSN: 2005-4238 |
| 2 | Evaluation of machine learning models for credit scoring | TEST Engineering & Management Vol. 82 January -February 2020  Page No. 2798-2805 ISSN: 0193 -4120 |
| 3 | Credit Risk Valuation Using an Efficient Machine Learning Algorithm | Advances in Decision Sciences, Image Processing, Security and Computer Vision. Learning and Analytics in Intelligent Systems,  Vol 4.Springer, Cham DOIhttps:// doi.org /10. 1007 /978-3-030-24318- 0\_74 Print ISBN978-3-030-24317-3 & Online ISBN978-3-030-24318-0 |
| 4 | V-BIBE: A NEW IDENTITY BASED ENCRYPTION SCHEME | INTERNATIONAL JOURNAL OF COMPUTER ENGINEERING &  TECHNOLOGY (IJCET) Volume 9, Issue 4, July-Aug 2018, pp. 166-175; ISSN Print:0976-6367 and ISSN Online:0976-6375; |
| 5 | Comparative analysis of applications of identity-based cryptosystem in IoT | Electronic Government, An International Journal, Vol. 13, No. 4, 2017, 314-323 ISSN online: 1740-7508, ISSN print: 1740-7494,  DOI:10.1504/EG.2017.1000761 |
| 6 | An Efficient New IBE scheme in the model selective ID | International Journal on Computer Science and Engineering (IJCSE),  P-ISSN : 2229-5631 Vol. 9 No.10 Oct 2017 612-618 |
| 7 | Identity-Based Cryptosystem Based on Tate Pairing | GJCST-E Volume 16 Issue 5 page 31-35.D.4.6  Online ISSN: 0975-4172 & Print ISSN: 0975-4350 |
| 8 | Evaluation of Key Management Scheme Based on Identity | 6Th IEEE international Advanced Computing Conference(IACC 2016) Feburary 27-28,2016 |
| 9 | A survey on Big Data technologies and Opportunities | International conference on Innovations in Computer Science and Information Technology (ICICSIT-2015) 28th& 29th Aug15 |
| 10 | Enhanced Position Aided Security System for cognitive Radio Network | International Journal of Computer Science information and Engineering Technologies (IJCSIET) ISSN:2277-4408 issues5-  Volume2-series4(Aug 2015) |
| 11 | SECURITY IN CLOUD COMPUTING AT VIRTUALIZATION LEVEL | International Journal of Computer & Mathematical Sciences IJCMS ISSN 2347 – 8527 Volume 3, Issue 8 October 2014 |
| 12 | An Empirical Research Study on Mobile Ad- Hoc Networks: Issues &Challenges on its Routing and Security Provisioning Protocols | NCEITCS APR 1-2, 2014 International Journal of Research in Engineering and Technology (IJRET) |
| 13 | Enhancing Security and Efficiency of Key Management in cloud data sharing system | Global Journal of Engineering Science and Researches ISSN-2348-8034 July-2018 |
| 14 | Improving Key Generation Performance on Public cloud Storage along with User Legitimacy verification | International Journal of Technical Innovation In Modern Engineering & Science e-ISSN:2455-2585, Volume-4,Issue-6 Jun-2018 |
| 15 | Secure Data Retrieval using Cipher Text Policy Attribute Based Encryption in Hybrid Networks | International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE) ISSN: 2320-7639 (Online), Vol-5, Issue-4Aug-2017 |
| 16 | Shift Managerial Strategy for IT Services | International Journal of Computer Science and Mobile Applications  ISSN:2321-8363, Impact Factor:4.123, Vol-5, Issue-7, Pg:1-4 Jul-2017 |
| 17 | Enhanced Position Aided Security System for cognitive Radio Network | International Journal of Computer Science Information and Engineering Technologies (IJCSIET)  ISSN: 2277-4408, Issue-5, Vol-2, Series-4.Aug -15 |
| 18 | Advancing of Performance for Routing Procedures in Adhoc Systems | International Journal of Reviews on Recent Electronics and Computer Science (IJRRECS) ISSN:2321-5461, Vol-2Issur-7, Pag:2808-2813Jul-14 |



**SUBJECTS TAUGHT**

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| **BACHELOR OF TECHNOLOGY** | **MASTER OF TECHNOLOGY** |
| Programming for Problem Solving  Programming in C  Information Security  Network Security & Cryptography  Design and Analysis of Algorithms  Compiler Design  Operating Systems  Advanced data structures using C++ /java  Object Oriented Programming Through C++  Mobile Application Development  Automata Theory and Compiler Design  Software Engineering Software Project Management Design Patterns  E-Commerce | Information Security  Network Security & Cryptography  Advance Algorithms  Mathematical Foundations of Cryptography |

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| **TRAINING PROGRAMS ATTENDED** | | | | |
| **SNO** | **Title of the Program** | **Organizing institution** | **Duration** | **Dates** |
| 1 | Faculty Development Program on Artificial Intelligence | TASK | 1 week | 16th to 20th Dec 2019 |
| 2 | Cryptography & Coding Theory | NITw | 5days | 28th Jan to 1st Feb, 2019 |
| 3 | Advanced Android Development | Google | 1 week | 28th Aug to 1st Sep 2018 |
| 4 | Mathematics for Engineering Research | NIT Warangal & GNITS | 1 week | 18th to 23rd June 2018 |
| 5 | Android Developer Fundamentals | Google | 1 week | 4th to 8th Dec 2017 |
| 6 | DevConHydeabad -2017 | swecha | 2 days | 14th & 15th Oct 2017 |
| 7 | Management & Use of E-Resources | DrBRAOU | 3 days | 1st to 3rd Oct 2016 |
| 8 | Advanced Network Development System using NS-2 | GNITS | 2 days | 15th to 16th July 2016 |
| 9 | Theory of Computation | NITW | 10 days | 18th to 27th Jan 2016 |
| 10 | Web Services and Internet of Things | GNITS | 1 week | 1st to 5th Dec,2015 |
| 11 | Coludera: BigData Cloud Analytics | UGC-JNTUH | 3 weeks | 10th to 29th Nov, 2014 |
| 12 | Infosec | CDAC, JNTUH | 2 days | 31st Jan to 1st Feb 2014 |
| 13 | Research Methodology | JNTUH | 1 week | 16th to 21st Dec, 2013 |
| 14 | Mobile Application Development using J2ME & android | CDAC, JNTUH | 3 days | 15th to 17th Mar 2012 |
| 15 | Database Systems | IITB | 2 weeks | 21st to 31st May 2013 |
| 16 | Research Methodologies | CMR | 2 days | 23rd to 24th Dec, 2010 |
| 17 | Faculty updating Program | GNITS | 1 week | 29th Jun to 03 rd July 2009 |
| 18 | Middle ware Technologies | GNITS | 3 days | 3rd to 5th Dec 2009 |
| 19 | Linux Programming | C-DAC | 2weeks | 3rd to 14th May 2010 |
| 20 | Problem Solving Through Programming in C | NPTEL | 12 weeks | Jan to Apr 2018 |
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**EDUCATIONAL DETAILS**

* **Phd**| Jawaharlal Nehru Technological University Hyderabad (JNTUH) | Network Security|2020
* **M.Tech**| Software Engineering |School of Information Technology (JNTUH)| 2006| Distinction and 77%
* **B. Tech**| Computer Science and Engineering|Mahatama Gandhi institute of Technology (M.G.I.T) | First Class & 63.41%

# REFERENCES AVAILABLE UPON REQUEST