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| C:\Users\samyak\Desktop\oracle_CC\FullSizeRender.jpg  **EDUCATION**    **Jan 2014-July 2017**    **Thesis title** | **Dr.T Gunasekhar**  **Address:** Pedakanti Palli(V), Nandanoor Post, G D Nellore, Chittoor, Andhra Pradesh-517125.  **Contact:** (+91) 9848984909  E-mail: [tgunasekhar@outlook.in](mailto:tgunasekhar@outlook.in%20) ; [tgunasekhar@icloud.com](mailto:tgunasekhar@icloud.com)  **Doctor of Philosophy,** Department of Computer Science and Engineering, K L University, Vijayawada, India.  A Framework for Prevention and Detection of Insider attacks in cloud Infrastructure |
| **Dec2011 - June2013**  **Course competence** | **Master of Technology,** Department of Computer Science and Engineering, Sree Vidyanikethan Engineering College, JNT University, Anantapur, India.  Achieved First Class with **Distinction** and **awarded grade ‘O’**  Module Include: Operating Systems, Cloud Computing, Data Structures, Information Security, Theory of Computation. |
| **Sep 2007–April2011**  **Course competence** | **Bachelor of Technology in Information Technology,** Dept. of Information Technology, JNT University, Anantapur, India.  Achieved First class final year **Dissertation work.**  Modules include: C Programing, Software Engineering, Embedded Systems, Network Security, Computer Networks, Data Base Management Systems, Computer Organization, Micro Processors  and Controllers, Unix Systems. |
| **EXPERIENCE**  **July 2021-Till Date Experian, India.**  **Position: Software Engineer- DevSecOps- Security**  **Aug 2017-June 2021 Koneru Lakshmaiah Educational Foundation, Guntur, India.**  **Position:** Worked as Associate Professor, Dept of CSE. | |
| **April 2015-July 2016**  **Junior Research Fellow** | **K L University, Guntur, India.**  **Project:** Design and Development of an Effective Privacy Preserving Data Mining Technique for Cardiac, Cancer and Diabetic Healthcare |
| **Jan 2014-Sep 2015**  **Position: Research Scholar** | **K L University, Guntur, India.**  **Thesis:** A Framework for Prevention and Detection of Insider attacks in Cloud Infrastructure |
| **EXPERTISE**   * Responsible for architecting, designing, implementing and supporting of cloud-based infrastructure and its solutions * Managing Amazon Web Services (AWS) infrastructure. * Proficient in AWS services like VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail. * Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC. * Insider threat prevention and detection in cloud environment using Trusted computing. * CIS AWS benchmarking, vulnerability analysis and remediation. * Implementing crypto methods for data at rest, data in use and data in transit. * Application security through Veracode in CI/CD jobs   **PUBLICATIONS**   1. Nikhil, S.G. and **Gunasekhar, T**.,Current Issues, Open research challenges, Future trends in Cloud Computing. **Distributed Computing** (Minor revisions) **(IF=1.67)** 2. Dey, N.S. and **Gunasekhar, T**., 2019. A Comprehensive Survey of Load Balancing Strategies Using Hadoop Queue Scheduling and Virtual Machine Migration. **IEEE Access**, *7*, pp.92259-92284. (**IF=4.0098)** 3. Bezawada, A., Marella, S.T. and **Gunasekhar, T**., 2018. A Systematic Analysis of Load Balancing in Cloud Computing. International Journal of Simulation--Systems, Science & Technology, 19(6). 4. **Gunasekhar, T**., K. Thirupathi Rao, A Novel SVM Based Kernel Function for Insider threat Detection in Cloud Infrastructure, Journal of Advanced Research in Dynamical and Control Systems,9(3), pp. 56-63, 2017. 5. **Gunasekhar, T**., K. Thirupathi Rao, Prevention and Detection of Insider attacks in cloud infrastructure using hardware assisted Method, Journal of Advanced Research in Dynamical and Control Systems,9(4), pp. 81-87,2017. 6. Kumari, D.A. and **Gunasekhar, T**. A Novel algorithm for data Perturbation for Privacy Preserving Healthcare Databases. 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Kumari, D.A. and **Gunasekhar, T**., 2016. A Reconstruction Algorithm using Binary Transform for Privacy-Preserving Data Mining. *Indian Journal of Science and Technology*, *9*(17). 2. Kumar, R.P., Babu, J., **Gunasekhar, T**. and Bhushan, S.B., 2015. Mitigating Application DDoS Attacks using Random Port Hopping Technique. *International Journal of Emerging Research in Management &Technology*, *4*(1), pp.1-4. 3. Kumar, M.D., Basu, M.T. and **Gunasekhar, T**., 2015. Meshing VANEMO protocol into VANETs. *International Journal of Applied Engineering Research*, *10*(12), pp.31951-31958. 4. Karthik, K., **Gunasekhar, T.**, Meenu, D. and Anusha, M., 2016. A Study on IP Network Recovery through Routing Protocols. *Indonesian Journal of Electrical Engineering and Informatics (IJEEI)*, *4*(3), pp.176-180. 5. Reddy, C.V.S., Rao, G.S.N., Vurukonda, N. and **Gunasekhar, T**., 2016. 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"TDMA-based MAC protocols for scheduling channel allocation in multi-channel wireless mesh networks using cognitive radio." Circuit, Power and Computing Technologies (ICCPCT), 2015 International Conference on. IEEE, 2015. 3. **T.Gunasekhar**,” A Survey on IP Network Recovery through Routing Protocols” National Conference on Advanced Computing Applications, S V University, Tirupati, Feb 2013 4. **T.Gunasekhar**,” Secure Steaming Media Through Digital Rights Management”, National Conference on Recent Trends in Information Technology, P V P Siddhartha Institute of Technology, Feb 2013. 5. **T.Gunasekhar,** ”Modeling and Defense of E-mail Worms”, National conference on Advanced Computing and Information Technology, Jerusalem College of Engineering, May 2013. 6. **T.Gunasekhar,** ”Modeling and Defense of E-mail Worms”, National conference on Advanced Computing and Information Technology, Jerusalem College of Engineering, May 2013.   **BOOKS/PATENTS**   1. ***Detection and Mitigation of Insider Attacks in a Cloud Infrastructure: Emerging Research and Opportunities****,* Advances in Information Security, Privacy, and Ethics (AISPE), IGI Global Publications.2019. 2. ***An Empirical survey on Load Balancing: A Nature Inspired Approach***, Scheduling Problem - New Applications and Trends. Intech Open, 2019. 3. **A Framework for Insider attack prevention in cloud Infrastructure through Trusted Cloud Computing**, Patent applied,2019.  MEMBERSHIPS  * + IEEE Professional Membership   + ACM Member   + CSI Member  PERSONAL DETAILS  * + Father name: Thummuru Mani   + Date & Place of Birth: 9 June 1990, Chittoor, Andhra Pradesh, India   + Gender: Male   + Citizenship: Indian  |  |  |  | | --- | --- | --- | | **REFERENCES** |  |  | | **Professor K. Thirupathi Rao** Associate Dean- Academics Koneru Lakshmaiah University Vaddeswaram, Guntur, 522502  Mobile: +91 (0) 9440287259  e-mail: [kthirupathirao@kluniversity.in](mailto:kthirupathirao@kluniversity.in) | **Professor V. Ramesh** Department of Information Tech Mahatma Gandhi Institute of Tech Hyderabad, India.500075  Mobile: +91 (0) 7729992929  e-mail: [ramesh.v@mgit.ac.in](mailto:ramesh.v@mgit.ac.in) |  | | |