

## Curriculum Vitae



Dr. K. Satish Kumar  
**Ratified:** JNTUH (14/02/2018)  
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### Career Objective

An enthusiastic, and the disciplined person looking for a stable position as a faculty for computer science and engineering to share my knowledge for the improvement of students and the growth of the organization.

### Qualifications Summary

Degree	College	Board	Specialization	Percentage/ CGPA	Year of Passing
Post-Doctoral Fellowship (PDF)	KL College of Engineering and Koneru Lakshmaiah Education Foundation	KL University (Guntur, AP, India)	Computer Science & Engineering		Sep 2020- Sep 2021
Philosophy of Doctorate (Ph.D.)	Gandhi Institute of Technology and Management	GITAM University (Visakhapatnam, AP, India)	Computer Science & Engineering		2013-2017
Master of Technology (M.Tech.)	Gandhi Institute of Technology and Management	GITAM University (Visakhapatnam, A P, India)	Software Engineering	8.09 CGPA	2010-2012
Bachelor of Engineering (B.E.)	Kodaikanal Institute of Technology	AnnaUniversity (Chennai, Tamilnadu, India)	Computer Science & Engineering	73%	2006-2010
Intermediate	Sri chaitanya Junior college	Board of Intermediate (Hyderabad, AP, India)	M.P.C.	80.7%	2004-2006
Secondary School Certificate	Froble's Garden High School	Andhra Pradesh State Board, India	Telugu, Hindi, English, Maths, Science, Social.	78.66%	2004

## Skills Summary

1. Proficiency in computer-aided teaching.
2. Good interpersonal and communication skills.
3. Ability to work collaboratively and complete work before deadlines.
4. Confident.
5. Patience.

## Certifications

1. Course completion certificate on “Getting started with Google Analytics 360 “ by Google Analytics Academy. The certificate expires on June 24, 2023.
2. Course completion certificate on “Advanced Google Analytics “ by Google Analytics Academy. The certificate expires on June 24, 2023.
3. Certificate of completion on “Introduction to EC2 Auto Scaling” by AWS training and certification.
4. Certificate of completion on “Introduction to Amazon Elastic Compute Cloud” by AWS training and certification.
5. Course completion on “SQL and Relational Databases 101” by Cognitive Class.
6. Course completion on “Introduction to Data Science” by Cognitive Class.
7. Course completion on “Machine Learning with Python” by Cognitive Class.
8. Course completion on “Python 101 for Data Science” by Cognitive Class.
9. Course completion certificate on “Google Analytics for Beginners “by Google Analytics Academy. The certificate expires on June 24, 2023.
10. Course completion certificate on “Introduction to Data Studio “ by Google Analytics Academy. The certificate expires on June 24, 2023.
11. Course completion certificate on “Google Analytics for Power Users“by Google Analytics Academy. The certificate expires on June 24, 2023.
12. Course completion certificate on “Google Tag Manager Fundamentals“ by Google Analytics Academy. The certificate expires on June 24, 2023.
13. Certificate of completion on “Machine Learning” by Udemy.

## Work Experience

Designation	College/University	Years of Experience	Total Experiences
Associate Professor	TKR College of Engineering & Technology (K9)	September 2021 to Till date	5 years 2 months
Associate Professor	Teegala Krishna Reddy Engineering College(R9)	December 2017 to August 2020	
Assistant Professor	GITAM University (Hyderabad)	June 2016 to June 2017	

## Job Summary

1. Conducting weekly and monthly assessment tests to check the performance and improvement of the students.

2. Responsible for taking the practice of the class.
3. Teaching students using various audio, visual instruments like projectors, etc.

### Faculty Development Programs

1. Participated in Faculty Development Programme (FDP) on “**Operating Systems**” organized by the E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, GITAM Institute of Technology, Visakhapatnam, Andhra Pradesh from 4<sup>th</sup> – 14<sup>th</sup> November 2016. Obtained a C grade on the test.
2. Participated in Faculty Development Programme (FDP) on “**Software Engineering**” organized by the E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, GITAM School of Technology, Hyderabad, Telangana from 26<sup>th</sup> May 2017– 4<sup>th</sup> June 2017.
3. Participated in the Two Day Faculty Orientation Program on “**Basics of Pedagogy**” organized by GITAM University under TEQIP-II.
4. Participated in Faculty Development Programme on “**Artificial Intelligence and Machine Learning**” organized by the E&ICT Academy, National Institute of Technology, Warangal, at Spoorthy Engineering College, Nadergul, Rr Dist., Telangana. from 26<sup>th</sup> NOV to 2<sup>nd</sup> DEC 2018.
5. Participated in Faculty Development Programme on “**Machine Learning Applications In Software Engineering**”. Organized by the E&ICT Academy and Dept. of Computer Science & Engineering, National Institute of Technology, Warangal from 11<sup>th</sup> -16<sup>th</sup> June, 2019.
6. Participated in Faculty Development Programme on “**Internet of Things**” organized by E&ICT Academy, NIT Warangal at Department of ECE, “**TEEGALA KRISHNA REDDY ENGINEERING COLLEGE**”, Hyderabad from 2<sup>nd</sup> January to 7<sup>th</sup> January 2020.
7. Participated and completed all the requirements of two weeks (equivalent to 3 credit 40 hours course ) online faculty development programme on “**Advanced Optimization Techniques and hands-on with MATLAB/SCILAB**” Jointly organized by Electronics and ICT Academies held from 13<sup>th</sup> to 24<sup>th</sup> JULY 2020. Under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” by the “Ministry of Electronics and Information Technology (MeitY), Government of India”. This programme is endorsed by AICTE/UGC/NBA.
8. Certificate of completion in two weeks online Faculty Development Programme on “**Machine Learning for Computer Vision**” jointly organized by Electronics and ICT Academies during June 29 - July 8, 2020, under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India. He has successfully completed all the requirements for completion of the programme and has earned a good grade. The programme is recognized by AICTE/UGC.
9. Participated in a 3-day faculty development programme on **KOHA** from 17 to 19<sup>th</sup> June 2020, organized by department of the library, HITAM in association with the spoken tutorial, IIT Bombay.
10. Participated in a 40 hour online faculty development programme on “**Computer Vision and Machine Learning Applications**” sponsored by ministry of Electronics and Information Technology (MeitY) GoI, Organized by E&ICT Academy, NIT Warngal, and Department of Computer Science Engineering, Raghu Institute of

Technology, Dakamari(V) Bheemunipatnam, Vishakaptnam District, during 10<sup>th</sup> to 19<sup>th</sup> December, 2021.

## Workshops

1. Participated in the Two Day Workshop on “**Research Methodology**”, 2013 under TEQIP-II.
2. Participated in the Two-day Workshop on “**Data Analytics**”, 2015 Organized by Andhra University.
3. Participated in the “**Hands-On Android Workshop**” Conducted by Robo Champ, A National Level Champion Ship, 2016.
4. Participated in the three day national level workshop on “**Cybercrime Prediction System**” held from 17<sup>th</sup> Nov to 19<sup>th</sup> Nov 2018, organized by the department of CSE, TKREC, Hyderabad.
5. Participated in “one day International workshop on “**Angular JS to develop web apps faster**” on 26 June 2020 organized by department of CSE in association with NYCI & Brainvision Solutions, India Pvt. Ltd.

## Webinars

1. Participated in the webinar titled” **Cyber Security as A Carrier for Job Aspirants** ” on 7<sup>th</sup> June 2020 organized by department of computer science and engineering at MLR Institute of Technology, Telangana.
2. Participated in a webinar titled “ **Building Deep Neural Networks for Object Recognition Without Coding**” on 5<sup>th</sup> May 2020.

## Journal and Conference Papers

### National Conference:

1. Optimal Classification Rule Discovery Using Hybrid Model: A Case Study on Bank Note Authentication Using Gain Ratio and Gini Index, National conference on advance computing and networking, India (2013).
2. A computational intelligence technique for better diagnosis of diabetes disease using support vector machine(SVM) using RBF kernel function, Proceedings of the national conference on " Advances in computing and networking", (2013)

### International Conference:

1. Computational Intelligence Approach For Prediction Of Breast Cancer Using Particle Swarm Optimization: A Comparative Study Of The Results With Reduced Set Of Attributes, Computational Intelligence Techniques in Health Care, Springer Singapore. Singapore, pp. 31-44, (2016).
2. Multi-Layer Perceptron Backpropagation Algorithm For Predicting Breast Cancer, Accepted For Publication In “Communication Software And Networks - Proceedings Of INDIA 2019”, Springer(5<sup>th</sup> October 2019).

### International Journals:

1. Computational Intelligence Techniques for Classification Of Cancer Data, International Journal of Computer Applications, Vol.132, No.10, pp.14-21 (2015) (Indexed with Google Scholar, Cite Seer and CSA Technology Research Database, ProQuest, Peer-Reviewed, IF: 3.12).
2. Performance Variation Of Support Vector Machine And Probabilistic Neural Network In Classification Of Cancer Datasets, International Journal of Applied Engineering Research. Vol.11, No.4, pp.2224-2234, (2016). (SCOPUS, EBSCO host, GOOGLE Scholar, Journal Seek, J-Gate, etc, SJIF: 4.336 peer-reviewed).
3. Protocol Based Attack Injection Framework to Fault Diagnosis in Server Applications, (IJCSIT) International Journal of Computer Science and Information Technologies, (2012).
4. Weighted attribute-based web service selection framework for successful integration, International Journal of Engineering Science and Technology (IJEST), (2012).
5. Intellectual Genetic Swarm Optimization Method for Software Reliability Growth Enhancement, International Journal for Science and Advance Research in Technology, (2018).
6. Clouds and IoT, International Journal of Engineering Research in Computer Science and Engineering, (2018).
7. IoT Using by Machine learning techniques, International Journal of Pure and Applied Mathematics 118 (24), 1-9.(2018).
8. Information Extraction Using by Big Data, International Journal of Pure and Applied Mathematics (Scopus), 118 (24), 1-21, (2018).
9. Diagnosis of children's with dyslexia using machine learning technique, International Journal of Pure and Applied Mathematics (Scopus) 120 (6), 7305-7320, ISSN:1314-335(2018).
10. SRAM Using by Memory Block, International Journal of Pure and Applied Mathematics (Scopus) 120 (6), 12019-12029, ISSN: 1314-3395 (2018).

### Post Doctoral Fellowship Publications:

1. Satish Kumar Kalagotla, Suryakanth V. Gangashetty, Kanuri Giridhar, A Novel Stacking Technique for Prediction of Diabetes, Computers in Biology and Medicine, Vol,135, 2021, 104554, ISSN: 0010-4825.  
<https://doi.org/10.1016/j.compbiomed.2021.104554>.  
(<https://www.sciencedirect.com/science/article/pii/S0010482521003486>)  
(web of science, SCIE indexed, Q1, Impact Factor: 4.589, Elsevier Publisher.)
2. Satish Kumar Kalagotla, Suryakanth V. Gangashetty, Kanuri Giridhar, Evolutionary Computation Technique Combined with Ensemble Model for Classification of Diabetes, African Journal of Diabetes medicine, Vol.29(5),2021, (Web of science, ESCI, Accepted)(In press)

### Patent

#### National Patents:

1. Title: "Eliminating loop holes in classical computing using quantum computing". Application no: 201941017926A. Publication: 17/5/2019. The patent office journal no: 20/2019.

2. Title: “**A novel architecture for early detection of brain stroke**”. Application no: 202241008661A. Publication: 4/3/2022. The patent office journal no: 9/2022.

## Books

1. Published **.Net Technology with C# Programming** by Notion Press ISBN: 9781647837884.
2. Published **Deep Learning, A tensor flow practical approach** by Notion Press ISBN: 9781648927898.

## Highlights

1. Participated in NAAC activities as research publication file coordinator at GITAM University, Hyderabad campus and Institutional Values and Best Practices (criteria 7) head at TKREC, meerpet, Hyderabad.
2. Acted as annual day coordinator at the college level at TKREC, meerpet, Hyderabad.
3. Guided B.Tech and M.Tech projects successfully.
4. Guided faculty in the paper publishing.
5. Acted as centurion university online examination answer sheets (CSE) evaluator.
6. Acted as faculty motivator.
7. Acted as an evaluator for challenge revaluation for “C Programming” at JNTUH, Kukatpally.
8. Acted as academic in charge in Teegala Krishna Reddy Engineering College for B.Tech., CSE.
9. Appointed as question paper setter for CENTURION University.

## Achievements

1. Received “**Staff Excellence Award**” and “**Staff Appreciation**” from **TKR Group of Institutions** in the year 2017-2018.
2. Received “**Best Young Faculty Award**” from “**Novel Research Academy**” a registered enterprise under the Government of **INDIA** with UAN: **PY03D0003488** on 9<sup>th</sup> November 2019.
3. Received “**Micro Teaching Award**” for facing the demo session boldly in front of the camera recorded by Osmania University professors.
4. Demonstrating competency in the completion of “**Fundamentals of Deep Learning for Computer Vision**” by NVIDIA Deep Learning Institute.
5. Demonstrating competency in the completion of “**Fundamentals of Deep Learning for Multiple Data Types**” by NVIDIA Deep Learning Institute.
6. Certificate of appreciation awarded to Dr. Kalagotla Satish Kumar of TKR College of Engineering and Technology, Hyderabad for his/her contribution to the Technical Program Committee as a Reviewer for reviewing the papers of International Conference on Computing, Communication and Power Technology (IC3P2022). This conference was organized by Raghu Institute of Technology(A) and Raghu Engineering College(A) vishakapatnam in technical collaboration with **IEEE Vizag Bay Section**.

## Subjects of Interest

1. Data mining
2. Statistical data analysis
3. Machine learning
4. Software engineering
5. DBMS
6. Computer networking
7. Data structures
8. Object-oriented programming synopsis

## Computer Skills

1. Operating Systems: Windows 2000/NT/XP
2. Languages: C,C++,JAVA,SQL
3. Packages: MS Office, MS Word and Excel
4. Operation of MATLAB, Orange
5. Internet Operating

## Subjects Taught

1. Database Management System
2. C
3. Object Oriented Programming Synopsis
4. Object Oriented Analysis and Design
5. Software Engineering

## Conducted Labs

1. C programming.
2. C++.
3. Database Management System.
4. Software Engineering.
5. Statistical Package for the Social Sciences.

## Contact Information

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## References

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## Declaration

I hereby confirm that all the information provided above is true and trustworthy.

Place: Hyderabad

Date:

**(Dr. K. Satish Kumar)**