

# Gitesh Kumar Jha

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## Work Experience

- July 2018 **Software Engineer** ||, TERADATA LAB PVT. LTD HYDERABAD.
- Working as a developer in the Analytic Application(CIM, RTIM, TAC) Development Team. A product used by mega data companies to target their potential customers to make offers and manage interactions both offline as well as in real-time.
  - Provided the solution and implementation to collect logs from any given node to the current node in a cluster. Used Java Remote Method Invocation to implement it.
  - Added a small expression parser to support internationalization.
- June-July 2016 **Algorithm Writer**, QUANTTA ANALYTICS BANGALORE.
- Identified the most valuable and interested customers by analysing mailgun.com logs.
  - Added a preprocessing engine to convert PDF data into CVS format to perform the analysis.

## Technical Skills

Problem solving, Building AI based models, Exploratory data analysis, Rest API development, Discrete Mathematics, Algorithms, Database Management Systems, Java, Python, C, Spring-boot, Django, Teradata, MySQL, PostgreSQL, Pandas, numpy

## Education

- 2016–2018 **NIT, Warangal**, *M.Tech, Computer Science and Information Security*.  
7.14/10
- 2011–2015 **Institute of Science & Technology, West Bengal**, *B.Tech, Computer Science and Engineering*, 8.16/10.
- 2009–2011 **Dr. N.C.College, Benipatti**, *Intermediate/XII, Science*.  
61%
- 2008–2009 **S.L.H.S. Benipatti**, *Secondary/X*, .  
64.2%

## Academic Projects

- 2018 **User Behavior Pattern and Deeper Intention Analysis in Online Social Media**.  
Developed a new probabilistic approach to analyse the user's deeper intention in online social media using their past behaviour.
- 2018 **Apparel Recommendation System**.  
Tried out different models with different techniques starting from a simple bag of words model to image-based similarity using deep learning to come up with a more accurate recommender system.
- 2017 **Sentiment Analysis**.  
Wrote a program to perform the sentiment analysis on Twitter data. Here user can choose any topic, product or news based on hashtag and this script will classify the various tweets related to the hashtag into three categories +ve, -ve and neutral.

2015 **Image Steganography.**

Implemented a program which will hide the secret message into image pixels so that human eye can not be able to detect it. It will allow two parties to secretly communicate without letting others know the fact that communication is going on. Used LSB insertion algorithm.

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## Publications

2019 **User Behavior Pattern and Deeper Intention Analysis in Online Social Media.**

After Developing a new probabilistic approach to analyse the user's deeper intention, I have presented a paper in 5th International Conference for Convergence in Technology(I2CT), an IEEE sponsored international conference held in Pune, India on 30th March-2019.

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## Honours

2016 **GATE.**

Secured 98.8 percentile in an all India level engineering entrance test for admission into masters.

2008 **Bihar State Children's Science Congress-08.**

I had presented an analysis and charts on Management of Resources in Organic Farming.

2008 **District Level Science Conference-08.**

Got 2nd prize while presenting a report on Water crisis: Problem and Solution.

2008 **Division Level Science Conference-08.**

Got 6th prize while presenting a report on Water crisis: Problem and Solution.

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## Leadership

2017-2018 **Training and Placement Coordinator, NIT Warangal.**

My role was to negotiate and coordinate with the recruiting firms. Also, Conduct the tests and interviews so that all the students should get the maximum opportunity.

2013 **Python Workshop, IST C.K. Town.**

I had successfully co-ordinated and conducted a python workshop held at Institute of Science and Technology. This workshop was organised with the help from FOSSE and spoken tutorial project, IIT Bombay.

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## Teaching

Jun 2017- **Teaching Assistantship, NIT Warangal.**

April 2018 During my M.Tech I served as TA. My job was to assist the B.Tech, MCA, M.Tech(1st year) in their coursework during lab session .

Jun 2018- **Intern Assistant, NIT Warangal.**

July 2018 During this period, two Undergrad students were registered as an intern under one of the assistant professors for a data mining project. My job was to teach them all the technologies and concepts related to the project. It included Python, Classification and some pre-processing concepts.

June 2017 **Lab Assistance, NIT Warangal.**

NIT Warangal along with IITs hosts faculty development programmes each semester. I was lab assistant for the same. It included programmes like, **Fundamentals of R, Data Visualization & Data Management using R.**

Sept 29 2018 **Co-Instructor, Shreya Institute of Engineering and Technology, Telangana.**

I was co-instructor for the hands-on workshop on **Machine learning using R**. I covered classification algorithms.

June 27, 2019 **Co-Instructor, NIT Warangal.**

I was an invited instructor for a 1-day **Python programming** workshop as a part of Pre-Placement Training Programme.

Dec 7, 2019 **Instructor and Chief Guest** , *Vignana Bharathi Institute of Technology, Telangana.*

I was an invited instructor for AICTE Sponsored Two-week Faculty Development Programme on **Machine Learning to Deep Learning for Data Analytics Using Python**. I delivered a lecture on Pandas.

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## REFERENCES

**Dr. R. PADMAVATHY**, *Associate Professor,*  
*Department of Computer Science & Engineering, NIT Warangal, rpadma@nitw.ac.in .*

**Dr. T. Ramakrishnudu**, *Assistant Professor,*  
*Department of Computer Science & Engineering, NIT Warangal, trk@nitw.ac.in.*

**Dr. Hareesh Boinepelli**, *Engineering Director,*  
*Advanced Analytics and Applications, Teradata India, Hareesh.Boinepelli@Teradata.com.*

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## Languages

English, Hindi, Maithili