



# Amit Kumar

## Education

- 2018–2021 **Ph.D., Expected November 2021**, *Université de Caen Normandie, France.*  
**Thesis Title:** *Contextualization of Web Contents through Semantic Enrichment from LOD*
- 2014–2016 **Masters of Technology**, *Indian Institute of Technology Patna (IIT Patna) India,*  
*GPA – 9.73/10.*  
**Thesis Title:** *Multiobjective Optimization for Aspect Based Sentiment Analysis*
- 2009–2013 **Bachelor of Technology**, *Institute of Engineering & Management, Kolkata, India,*  
*GPA – 8.31/10.*
- 2006–2008 **Intermediate (12th)**, *BSEB, Patna, Percentage – 73.0.*
- 2005–2006 **Matriculation (10th)**, *BSEB, Patna, Percentage – 75.6.*

## Working Experience

- 2018–current Working as Research Assistant at GREYC Lab, Caen France.
- 2018–current Taught various courses related to NLP, ML at Masters level in Université de Caen Normandie.
- 2016–2018 Worked as Assistant Professor at Jaypee University, Anoopshahr (India).
- 2015–2016 Seven months Research experience at TU Darmstadt, Germany as DAAD fellow.

## Awards & Achievements

- 1 Awarded Chairman Gold Medal for outstanding performance (Rank 1 in merit among all postgraduate students) in M.Tech (Masters).
- 2 Awarded Institute Silver Medal for outstanding performance in M.Tech (Masters).
- 3 Awarded DAAD Scholarship (IIT Master Sandwich's Program, Period : September 2015 - March 2016).
- 4 Awarded MHRD Scholarship (Period : July 2014 - August 2015, April 2016-June 2016).
- 5 Achieved very good performance in Semantic Evaluation-2016 on shared task "Aspect based Sentiment Analysis".
- 6 Secured 99.68 and 99.46 percentile in GATE-2013 and GATE-2014 respectively.
- 7 Awarded a certificate for successfully completing "ERP - Essentials" by "RSSPL , a Microsoft Gold Certified Partner" (Duration 2 Months) in 2010.
- 8 Member (Captain) of winning team in intra School Cricket Tournament.
- 9 1st Rank in 8th Board Examination in District.

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## Publications

- 2021 Semantic Tagging via Entity-level Analytics: Assessment of Concise Content Tagging. *In: TPDL 2021, September 13-17, 2021.*
- 2021 AnnoTag: Concise Content Annotation via LOD-Tags derived from Entity-level Analytics. *In: TPDL 2021, September 13-17, 2021.*
- 2021 Semantic Search via Entity-Types: The SEMANNOREX Framework. *In: The Web Conference (www2021), Ljubljana, Slovenia, April 19-23, 2021.*
- 2020 Blogger or President? Exploitation of Patterns in Entity Type Graphs for Representative Entity Type Classification. *In: WebSci'20, UK, July 6-10, 2020.*
- 2020 Towards a better Contextualization of Web Contents via Entity-level Analytics. *ECIR'20, Lisbon, Portugal, April 14-17 2020.*
- 2019 CALVADOS: A Tool for the Semantic Analysis and Digestion of Web Contents. *In: ESWC'19, Portorož, Slovenia, June 2-6, 2019.*
- 2017 Feature Selection using Multiobjective Optimization for Aspect based Sentiment Analysis. *NLDB'17, Belgium, June 21-23, 2017.*
- 2016 IIT-TUDA at SemEval-2016 Task 5: Beyond Sentiment Lexicon: Combining Domain Dependency and Distributional Semantics Features for Aspect Based Sentiment Analysis. *In: NAACL'16 (ACL), San Diego, California, June 16-17, 2016.*

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## Deployed Web Sever

- 2021 *SEMANNOREX : SEMantic ANNotation, Retrieval and EXploration*  
Description Supporting Semantic Search via Entity-types. <https://semannorex.greyc.fr/>
- 2021 *AnnoTag : Concise Content Annotation via LOD-Tags*  
Description Generating Semantic LOD-Tags for documents and interlinking it with the LOD-cloud. <https://annotag.greyc.fr/>
- 2019 *CALVADOS : Content AnaLytics ViA Digestion of Semantics*  
Description Entity-level content analysis of the Web documents. <https://calvados.greyc.fr/>

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## Other Projects

- Project 1 *Community Question Answering*  
Description To find the similarity between question and comment
- Project 2 *Opinion Miner using Decision Tree and Naives Bayes Classifier*  
Description To recognize the opinion expressed in a tweet.

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## Academic activity

- 1 Worked as reviewer of Neurocomputing, Elsevier (2021)
- 2 PC member at SDPRA 2021
- 3 Delivered talk on *Fundamental of Machine Learning with a Case Study in NLP* at Government Women's Polytechnic College Bhopal, India (2020)

- 4 Key-note speaker in workshop "Data Analytics using R Language" at Jaypee University Anoopshahr held during 15-18 April 2018, Anoopshahr (India).
- 5 Participated in SemEval -2016 task 5: Aspect based Sentiment analysis.
- 6 Participated in Short-term course and Workshop in "Machine Learning and Complex Network" held during 28th Feb - 7th March 2015 at IIT Kharagpur.
- 7 Participated in Entrepreneurship Awareness camp (EAC-11).

## Teaching

### Supervised Thesis

2021 Anatole Aze, Masters (UNICAEN)

### Teaching Assistantship, Université de Caen Normandie

2021 Knowledge Acquisition (Masters, UNICAEN)

2020, 2018 Search Engine (Masters, UNICAEN)

2020, 2019 Web Analytique, (Masters, UNICAEN)

2020 Language Engineering, (Masters, UNICAEN)

### Assistant Professor, Jaypee University Anoopshahr (India)

2016–2018 Object Oriented Programming, (B.Tech, JUA)

2018, 2017 Theory of Computation, (B.Tech, JUA)

2018 Design and Analysis of Algorithms, (B.Tech, JUA)

2018, 2017 Computer Networks, (B.Tech, JUA)

2016 Software Engineering, (B.Tech, JUA)

## Technical Skills

Programming C, C++, Java, Python, R, Matlab

Database PostgreSQL

Libraries PyTorch, DGL, Scikit-learn, NLTK, Numpy, CoreNLP, Graphviz, NetworkX

Certification Deep Learning from Coursera, ASP.NET, IBM certified Linux System Administration

## Languages

Hindi **Mothertongue**

English **Advanced**

*Con conversationally fluent*

French **Basic**

*upto A2*

German **Basic**

*Basic words and phrases only*

## Declaration

I hereby declare that the information given above is true to the best of my knowledge and belief.

PLACE - CAEN, FRANCE

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