



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.

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.*

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/>

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.

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 Anoopshar 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	<i>Conversationally fluent</i>
French	Basic	<i>upto A2</i>
German	Basic	<i>Basic words and phrases only</i>

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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