



# Amit Kumar

## Curriculum Vitae

*To pursue research as a career option and to work in an innovative and research & development field which help me to explore myself fully and realize my potential. Willing to work as a key player in challenging & creative environment*

### Education

- 2014–2016 **Masters of Technology**, Indian Institute of Technology Patna (IIT Patna) India, GPA – 9.73.
- 2009–2013 **Bachelor of Technology**, Institute of Engineering & Management, Kolkata, GPA – 8.31.
- 2006–2008 **Intermediate (12th)**, BSEB, Patna, Percentage – 73.0.
- 2005–2006 **Matriculation (10th)**, BSEB, Patna, Percentage – 75.6.

### Achievements

- 1 Awarded Chairman Gold Medal for outstanding performance 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 Achieved very good performance in Semantic Evaluation-2016 on shared task "Aspect based Sentiment Analysis".
- 5 Secured 99.68 and 99.46 percentile in GATE-2013 and GATE-2014 respectively.
- 6 Awarded a certificate for successfully completing "ERP - Essentials" by "RSSPL , a Microsoft Gold Certified Partner" (Duration 2 Months) in 2010.
- 7 Member (Captain) of winning team in intra School Cricket Tournament.
- 8 1st Rank in 8th Board Examination in District.

### Experience

- 2015–2016 Seven months Research experience at TU Darmstadt, Germany as DAAD fellow.
- 2015–2017 Working experience of more than 1.5 years in the area of NLP.
- 2016–2017 Teaching experience of more than seven months at Undergraduate level.

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## Area of Interest

- 1 Natural Language Processing
- 2 Text Mining and Information Extraction
- 3 Machine Learning
- 4 Pattern Recognition
- 5 Bioinformatics

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## Relevant Course Work

- 1 Database system and Data Mining
- 2 Artificial Intelligence
- 3 Pattern Recognition
- 4 Machine Learning and Complex Network (Short-term course)

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## Masters Thesis

Title *Multiobjective Optimization for Aspect Based Sentiment Analysis*  
Description To develop automated text mining techniques for two issues - "Aspect Term Extraction and Sentiment Classification".

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## Academics Projects

Project 1 *Opinion Miner using Decision Tree and Naives Bayes Classifier*  
Technology Weka 3 (Open toolkit for Machine Learning Algorithms)  
Description To recognize the opinion expressed in a tweet.

Project 2 *Contextual Polarity Disambiguation for Opinion Mining.*  
Technology Weka 3 (Open toolkit for Machine Learning Algorithms)  
Description To recognize the opinions (positive, negative or neutral ) expressed in particular segment of the Tweet.

Project 3 *"UDP flood attack" in Transport layer (OSI model)*  
Technology OPNET IT Guru Academic v14.5  
Description Identifying various attacks in transport layer and design security measures.

Project 4 *Website design for "Online Shopping".*  
Technology ASP.NET (C#), Microsoft Visual Studio 10.0,MY SQL 2008  
Description This project helps to get information and location about the online shopping, booking ticket inside a city.

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## Technical Skills

Programming C, C++, Java, Python, R, Matlab  
Experience  
Platform Windows xp/vista/7/8/10, Linux  
Certification ASP.NET, IBM certified Linux System Administration

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## Academic activity

- 1 Participated in SemEval -2016 task 5: Aspect based Sentiment analysis.
- 2 Participated in Short-term course and Workshop in "Machine Learning and Complex Network" held during 28th Feb - 7th March 2015 at IIT Kharagpur.
- 3 Participated in "International Conference on Scientific Paradigm Shift in Information Technology and Management (IEMCON - 2011) " held during 5-6 January 2011, Kolkata (India).
- 4 Participated in Entrepreneurship Awareness camp (EAC-11).

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## Publication

- 1 IIT-TUDA at SemEval-2016 Task 5: Beyond Sentiment Lexicon: Combining Domain Dependency and Distributional Semantics Features for Aspect Based Sentiment Analysis. *15th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL)*, San Diego, California, June 16-17, 2016.
- 2 Feature Selection using Multiobjective Optimization for Aspect based Sentiment Analysis. *22nd International Conference on Natural Language and Information System (NLDB)*, Belgium, June 21-23, 2017. (Communicated).

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## Languages

Hindi	<b>Mother tongue</b>	
English	<b>Intermediate</b>	<i>Con conversationally fluent</i>
German	<b>Basic</b>	<i>Basic words and phrases only</i>

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## Interests

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|--------------------------------|-------------------|
| - Cooking                      | - Reading Books   |
| - Playing and Watching Cricket | - watching Movies |

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## Declaration

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

PLACE - ANOOPSHAHR INDIA

AMIT KUMAR