

AYUSH KUMAR

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EDUCATION

Indian Institute of Technology , Patna, Bihar B.Tech in Computer Science and Engineering (Current CPI: 9.51/10) till 6 th semester	Graduating May, 2016
Jawahar Vidya Mandir, Shyamali, Ranchi, Jharkhand All India Senior School Certificate Examination, Class 12 th , CBSE (Percentage: 94.20%)	2011
DAV Public School, Lalpania, Bokaro, Jharkhand All India Secondary School Examination, Class 10 th , CBSE (Percentage: 96.40%)	2009

INTERNSHIP

- **Aspect category detection and sentiment polarity classification of reviews and sentiment lexicon generation for Indian languages**
Guide: Prof. Dr. Chris Biemann, Assistant Professor, TU Darmstadt, Germany **May 2015 – July 2015**
 - Designed a supervised system for sentiment polarity classification and aspect category identification based on Tf-Idf measure and lexical features.
 - Developed a sentiment lexicon for Hindi and Bengali language using the concept of distributional thesauri and sentence level co-occureces.

PROJECTS UNDERTAKEN

- **Evolutionary feature selection technique for term level and message level polarity disambiguation and sentiment classification of Tweets using genetic algorithm**
Guide: Prof. Dr. Asif Ekbal, Assistant Professor, IIT Patna **October 2014 – January 2015**
 - Built a SVM based model for contextual polarity disambiguation and message polarity classification for the messages.
 - Proposed an evolutionary feature selection technique based on single and multi-objective optimization against conventional methods of forward and backward feature selection and feature ablation.
- **Project Management System** **January 2014 – April 2014**
 - Worked in a team to develop an interface to manage projects online.
 - Worked on the backend part using Django to develop the signup and login portal and assisted in making the chat functionality for the system.

PUBLICATIONS

- '*Investigating Active Learning Techniques for Document Level Sentiment Analysis of Tweets*', Accepted in **Social Networking Workshop** as a part of **7th International Conference on Communication Systems and Networks (COMSNETS) 2015**.

TECHNICAL SKILLS

- **Programming languages:** Java, C, Perl (basic), Python (basic)
- **Web Programming:** HTML, CSS, MySQL, Django (basic)
- **Software:** Octave (used as a part of Machine Learning course on Coursera)

POSITIONS OF RESPONSIBILITY

- **Coordinator, Media and Public Relations, Entrepreneurship Club, IIT Patna** **May 2014 - April 2015**
 - Moderated the communication between the E-Club and the media outlets to manage the press releases.
 - Enhanced the social media page reach by 120% over one year through various posts and articles.
- **Literary Secretary, IIT Patna** **2013-2014**
 - Organized literary and fine arts events like debates, quizzes, paintings and various other competitions.
 - Conceptualized the idea of student press club and initiated the formation of campus newspaper.

SCHOLASTIC ACHIEVEMENTS

- Received **DAAD scholarship** for internship in Germany. **2015**
- Attained **Department Rank 1** in 4th and 6th Semester with SPI of 9.62 and 9.75 respectively. **2015**
- Achieved **AIR-3008** in IIT-JEE and **AIR-3143** in AIEEE. **2012**
- Received the **Certificate of Excellence** from D.A.V Managing Committee for being in top 0.1% candidates. **2009**

EXTRA CURRICULAR ACTIVITIES

- Maintains a personal **blogging** site at krayush.wordpress.com.
- Part of **PAN IIT Delegation** for the PAN IIT Conference, 2012.
- Achieved **1st prize** in an essay writing competition held by **Jharkhand Renewable Energy Development Agency**.