

Anil Goyal

Doctoral Researcher in Machine Learning

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Nationality: Indian
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Education

- 2015–present **PhD in Machine Learning**, *Université Jean Monnet*, Saint-Etienne, France,
Supervisors: Prof. Massih-Reza Amini and Dr. Emilie Morvant
Lab: LIG, Grenoble and LaHC, CNRS, Saint-Etienne.
Subject: Multiview Learning using PAC-Bayesian and Boosting based approaches. This project is funded by Rhône-Alpes Region.
- 2014–2015 **Masters of Science in Informatics (MOSIG)**, *ENSIMAG, Grenoble INP*, Grenoble, France, (with honors).
Subjects: Machine Learning, Information Access and Retrieval, Computer Vision, Advanced Human-Computer Interaction, Computational Geometry and Medical Imaging, Simulation & Robotics.
- 2010–2014 **Bachelor of Technology**, *The LNMIIT*, Jaipur, India, *CGPA – 8.69/10*.
Specialization: Computer Science and Engineering

Work Experience

- Aug–Oct, 2015 **Data Science Engineer**, *Cube26 Private Limited*, New Delhi, India.
Worked on News Aggregation, News Ad-Banner and News Categorization for the Neon News Android Application.
- Feb–Jun, 2015 **Research Intern**, *Laboratoire d'Informatique de Grenoble (LIG)*, Grenoble, France.
• **Masters Thesis** at AMA team, LIG, Grenoble under the guidance of Prof. Massih-Reza Amini.
• Worked on Transferring knowledge from a labeled source collection to learn IR functions on an unlabeled target collection
- May–Aug, 2014 **Software Developer**, *Pyramid Cyber Security & Forensics Private Limited*, New Delhi, India.
Cheque Fraud Detection for Punjab National Bank, India using JAVA and MATLAB.
- May–Jul, 2013 **Research Intern**, *University of Hyderabad*, Hyderabad, India.
• Worked on finding the number of clusters in short text documents under the guidance of Prof. Arun K. Pujari.
• Ncut-term weighing scheme and spectral clustering using MATLAB.
- May–Jul, 2012 **Developer Intern**, *Institute of Nuclear Medicine & Allied Sciences (INMAS)*, DRDO, Delhi, India.
Designing and developing Leave Management System and Document Dispatch System using PHP, MySQL, HTML and CSS.

Research Activities

- Project Member of **ANR LIVES** Project (Learning with Interacting Views). (Jan, 2016–present)
- Advising **Soroush Seifi**, SUBJECT: “A PAC-BAYESIAN MULTIVIEW STUDY”, Laboratoire Hubert Curien, CNRS, Saint-Etienne, France (Apr–Jun, 2016).
Co-advised with Prof. Amaury Habrard and Dr. Emilie Morvant
- ML Conferences ECIR 2018 (Volunteer), CAP 2017 (Presentation and Poster), CAP 2016 (Presentation and Poster), NCVPRIPG 2013 (Presentation)
- Workshops Deep Learning Workshop 2017, Computational and Statistical Trade-offs in Learning 2016
- Teaching Assistance **Database Management Course**, The LNMIIT, Jaipur, India (Jan–May, 2012 & Jan–May, 2013).
Co-advised with Prof. Subrat K. Dash

Skills

Programming	Python, C, JAVA, MATLAB
Tools	Terrier IR Platform
Web Development	HTML, CSS, PHP, JavaScript, JSP, D3.js
Databases	MySQL, Oracle
Language	English: fluent / French: intermediate / Hindi: native speaker

Positions of Responsibility

ECIR 2018	Volunteer in European Conference on Information Retrieval, Grenoble, France, 2018.
Aug,2013-Apr,2014	Vice-Chairperson, IEEE Student Chapter at LNMIIT, Jaipur.
May,2012-May,2013	Sub-coordinator of the CYBROS club (Web Development) at LNMIIT, Jaipur.
May,2011-May,2012	Senator in university Gymkhana at LNMIIT, Jaipur.
May,2011-May,2012	Senator In-charge of COSHA (The committee of Students for Hostel Affairs) at LNMIIT, Jaipur.
May,2011-May,2012	Member of the AC-HMC (Academic Council of Hall Management Committee) at LNMIIT, Jaipur.

Achievements

2013	Google AdCamp, Hyderabad, India.
2007	President Scout Award in National Scout and Guide Activity, India.

Publications

2018	Anil Goyal , Emilie Morvant, Pascal Germain, Massih-Reza Amini, "Boosting based PAC-Bayesian Multiview Learning Algorithm", Neurocomputing Journal, 2018 (In progress)
2018	Anil Goyal , Emilie Morvant, Massih-Reza Amini, "Multiview learning with a Double Weighted Majority Vote Classifier by Minimizing a Bregman Divergence", International Joint Conference on Artificial Intelligence (IJCAI), 2018 (Submitted)
2017	Anil Goyal , Emilie Morvant, Pascal Germain, Massih-Reza Amini, "PAC-Bayesian Analysis for a two-step Hierarchical Multiview Learning Approach", European Conference on Machine Learning & Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD), Skopje, Macedonia (CORE Rank: A)
2017	Anil Goyal , Emilie Morvant, Pascal Germain, "Une borne PAC-Bayésienne en espérance et son extension à l'apprentissage multivues", French Conference on Machine Learning (CAp), France.
2016	Anil Goyal , Emilie Morvant, Pascal Germain, Massih-Reza Amini, "Théorèmes PAC-Bayésiens pour l'apprentissage multi-vues", French Conference on Machine Learning (CAp), France.
2015	Anil Goyal , Georgios Balikas, Parantapa Goswami, Massih-Reza Amini, Eric Gaussier, "Transfer Learning for IR Model Parameter Tuning", French Conference on Machine Learning (CAp), France.
2013	Anil Goyal , Mukesh K Jadon, Arun K Pujari, "Spectral Approach to find Number of Clusters of Short-text Documents", IEEE National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), India.

References

Prof. Massih-Reza Amini Professor, Université Grenoble Alpes, Grenoble, France massih-reza.amini@univ-grenoble-alpes.fr	Dr. Emilie Morvant Assistant Professor, Université Jean Monnet, Saint-Etienne, France emilie.morvant@univ-st-etienne.fr	Dr. Pascal Germain Research Scientist, MODAL Project-Team, INRIA, Lille, France pascal.germain@inria.fr
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