CURRICULUM VITAE

Dr. Aadil Ahmad Lawaye

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Personal Information:

- Date of Birth: 20th November 1982
- Passport No.:   **L8311651 (Expiry: 16th April, 2024)**
- Permanent Address: Rai-teng, Khanyar, Srinagar, 190003, J&K, INDIA.
- Nationality: INDIAN
- Languages Known: English, Hindi, Urdu, and Kashmiri.
- Hobbies & Interests: Body Building, Photography, Gardening.

Academic Background:

- ➢ **Completed Ph. D from Assam University, Silchar.**
- ➢ **Completed MCA from University Of Kashmir with 73%.**
- ➢ **Completed BCA from University Of Kashmir with 60%.**
- ➢ **Completed 12th from JK-BOSE with 53% (PCMB).**
- ➢ **Completed 10th from JK-BOSE with 63%.**

Area of Interest:

Natural Language Processing, Artificial Intelligence, Machine Learning, Cross Lingual Information Extraction and Retrieval.

Certificates:

- ➢ **Essential Degree for Graduate Engineers (EDGE)** from **CMC (A TATA ENTERPRISE)**.
- ➢ **Language Engineering Learning Aptitude (CLEA^{250}) offered Online through VALERIE, the Virtual Learning Environment for UNL, UNDL Foundation, Geneva.**
- ➢ **Language Engineering Learning Aptitude (CLEA^{450}) offered Online through VALERIE, the Virtual Learning Environment for UNL, UNDL Foundation, Geneva.**

Work Experience:

- ✓ Worked as "**Computer Scientist**" in the **Department of Linguistics**, **University of Kashmir** for the Project Entitled "**Development of Language Tools and Linguistics Resources for Kashmiri**" from **May 2008** to **October 2010** sanctioned and funded by "Ministry of Communications & Information Technology" and "Department of Information technology", Government of India, New Delhi.
- ✓ Worked as "**Computer Scientist**" in the **Department of Linguistics**, **University of Kashmir** w.e.f. **November 2010** to **May 2011** in the project entitled "**Development of**

Indradhanush: An Integrated WordNet for Bengali, Gujarati, Konkani, Kashmiri, Oriya, Punjabi and Urdu" sanctioned and funded by "Ministry of Communications & Information Technology" and "Department of Information technology", Government of India, New Delhi.

✓ Worked as "**Computer Associate**" in the **Department of Electronics Communication and Information Technology, Sher-i-Kashmir Institute of Medical Sciences, Soura Srinagar** from **June 13th, 2011 to September 20th, 2017.**

Academic Positions:

✓ Presently working as **Assistant Professor** in the **Post Graduate Department of Computer Sciences, Baba Ghulam Shah Badshah University**, Rajouri, J&K from September 21, 2017.

Editorial Duties:

✓ **Editorial Board Member - Journal of Applied Computing (ISSN 2456-5059).**
Journal of Applied Computing (JAC) is an international, peer-reviewed, open access and interdisciplinary journal that publishes high quality original research articles, extended version of published conference papers, and short/comprehensive surveys in all area of computer science, and its interface to engineering, biological, chemistry, physics, nano-sciences and nano-technology, statistics, economics, finances and social sciences.

Projects worked on:

i. **Developed first ever Unicode based font for Kashmiri (AFAN Koshur Naksh)..**

ii. **Trilingual English Hindi Kashmiri e-Dictionary**
Developed Online Trilingual English-Hindi-Kashmiri dictionary.
http://www.kashmirizaban.com

iii. **Part of Speech Tagger**
Developed Statistical Part of Speech Tagger for Kashmiri having an accuracy of **80.64%**.

iv. **Developed Rule Based Persio-Arabic to Devanagari Converter for Kashmiri Language.**

v. Worked on the Project for Testing **Kashmiri Software (Language)** in collaboration with **Marquis Technologies** for **Nokia Mumbai Pvt. Ltd.**

vi. **Worked on Live Project NetPod (A Corporate Communication System Over Internet Protocol) which** involves File transfer, Mails, Instant messages among different branches of a Company sponsored by CMC, Pune.

Papers Presented:

1. *'Issues in Kashmiri NLP'* at the open symposium of the **SECOND IIIT-H ADVANCED SCHOOL ON NATURAL LANGUAGE PROCESSING-2008 (2nd IASNLP-2008)** held at the International Institute of Information Technology (IIIT), Hyderabad on June 09, 2008.

2. *'Font Issues in Kashmiri and Their Resolution'* at the **National Seminar on Perspectives in Linguistics (NSPL 2008)** organized by the Department of Linguistics, University of Kashmir on 4th- 5th November 2008.

3. *'What should be and what should not be?: Developing a POS Tagset for Kashmiri'* at the **National seminar on Perspectives in Linguistics (NSPL 2008)** organized by the Department of Linguistics, University of Kashmir on 4th- 5th November 2008.

4. 'Handling Ambiguity Resolution in Machine Translation using Probabilistic Context Free Grammar' at the National Seminar on **Classical Texts Translation** organized by the Central Institute of Indian Languages, Mysore, in collaboration with Kashmir University, Srinagar from 8th August to 9th August, 2009.

5. 'English – Kashmiri – Hindi e-Dictionary ' at the 31st **All India Conference of Linguistics (AICL2009)** organized by the Centre for Applied Linguistics and Translation Studies (CALTS), University of Hyderabad from 15th-17th December 2009.

6. 'Developing a Rule Based Morphological Analyzer for Kashmiri' at the **31st All India Conference of Linguistics (AICL 2009)** organized by the Centre for Applied Linguistics and Translation Studies (CALTS), University of Hyderabad from 15th-17th December 2009.

7. *'Tagset Design for Kashmiri: A Hierarchical Perspective '* at the **9th International Conference on South Asian Languages (ICOSAL-9)** organized by the Department of Linguistics and Punjabi Lexicography, Punjabi University Patiala in collaboration with CIIL, Mysore from 7th-9th January 2010.

8. *'English-Kashmiri-Hindi e-dictionary: A Case Study'* at **Knowledge Sharing Event on Making of Electronic Dictionary** organized by Linguistic Data Consortium for Indian Languages (LDC-IL), Central Institute of Indian Languages (CIIL), Mysore on 24th March 2010.

9. *'Developing a Rule-Based Morphological Analyzer for Kashmiri'* at **Knowledge Sharing Event on Morphological Analyzers and Generators** organized by Linguistic Data Consortium for Indian Languages (LDC-IL), Central Institute of Indian Languages (CIIL), Mysore on 22rd-23rd March 2010.

10. *'Synset Categorization for Synset Creation: A Proposal'* at **8th International Conference on Natural Language Processing (ICON 2010)** organized by Indian Institute of Technology, Khragpur India, from 8th -11th Dec 2010.

11. *'Towards a Combined Attempt to Simultaneous Synset Linkage and Synset Expansion'* at **8th International Conference on Natural Language Processing (ICON 2010)** organized by Indian Institute of Technology, Khragpur India, from 8th -11th Dec 2010.

12. *'Developing a POS Tagger for Kashmiri' at* **International Conference on Recent Advances in Linguistics (ICRAL)** organized by Dept. of Linguistics, Bharathair University, Coimbatore, from 15th -16th Dec 2010.

13. *'Modified Persio-Arabic Modified Devanagari Converter: The Case of Kashmiri'*

at **International Conference on Recent Advances in Linguistics (ICRAL)**organized by Dept. of Linguistics, Bharathair University, Coimbatore, from 15th -16th Dec 2010.

14. *'Pan-Indian Dictionary using Indo WordNet ' at* **National Conference on Changing Trends in Language and Society***"* organized by Organized by Institute of Engineering & Technology-Bhaddal Punjab , from 20th -21th Dec 2012.

15. *'Font issues in Kashmiri and their Resolution using Unicode Standard 10.0* at **13th J&K Science Congress** organized by University of Kashmir from 2nd to 4th April, 2018.

Articles Published:

i. *'Towards Developing a Tagset for Kashmir'* (2009) with Aadil A.Kak and Nazima Mehdi in *Nepalese Linguistics*, Vol 24. PP49-60.

ii. *'What should be and What should not be? Developing a POS tagset for Kashmiri'* with Aadil A. Kak and Nazima Mehdi in *Interdisciplinary Journal of Linguistics* (IJL), Vol 2. PP185-196.

iii. *'English-Kashmiri-Hindi e-dictionary: A Case Study'* **w**ith Aadil A.Kak, Nazima Mehdi and Feroz A.Lone in *Making of Electronic Dictionary* (Pre-publication), PP21-27.

iv. *'Developing a Rule-Based Morphological Analyzer for Kashmiri'* with Aadil A.Kak and Nazima Mehdi in *Morphological Analyzers and Generators* (Pre-publication), PP19-28.

v. *'Developing a POS Tagger for Kashmiri'* **w**ith Aadil A.Kak and Nazim aMehdi in *New Directions in Linguistics*, PP169-182.

vi. *'Modified Persio-Arabic Modified Devanagari Converter: The Case of Kashmiri'* **w**ith Aadil A. Kak and Nazima Mehdi in *New Perspectives in Linguistics*, PP130-138.

vii. *'Developing a Paradigm Based Morphological Analyzer for Kashmiri'* **w**ith Aadil A. Kak and Nazima Mehdi in *Proceedings of the Third Students Conference of Linguistics in India (Sconli-3)*, PP108-113.

viii. *'Development of Unicode Complaint Kashmiri Font: Issues and Resolution'* with Nazima Mehdi in *Interdisciplinary Journal of Linguistics (IJL)*,Vol 4. PP195-200.

ix. *'Synset Categorization for Synset Creation: A Proposal'* with Aadil A.Kak and Nazima Mehdi in *Proceedings for 3rd Indo WordNet Workshop ICON 2010*,IITKGP. [http://www.cfilt.iitb.ac.in/wordnet/webhwn/IndoWordnetPapers/]

x. *'Towards a Combined Attempt at Simultaneous Synset Linkage and Expansion'* with Aadil A. Kak and Nazima Mehdi in *Proceedings for 3rd IndoWordNet Workshop ICON2010*, IIT KGP. [http://www.cfilt.iitb.ac.in/wordnet/webhwn/IndoWordnetPapers/]

xi. ***'Building a Cross Script Kashmiri Converter: Issues and Solutions'*** with Aadil A.Kak and Nazima Mehdi in *ProceedingsforOrientalCOCOSDAWorkshop2010*, Kathmandu Nepal. [http://desceco.org/O-COCOSDA2010/proceedings.php]

xii. ***'Towards Developing a Hierarchical Part of Speech Tagger for Kashmiri: Hybrid Approach'***, with Bipul S Purkasyastha., in Proceeding of the 2nd National Conference on Advancements in the Era of Multidisciplinary Systems, **Elsevier Publications,** ISBN: 978-93-5107-057-3, PP 187-192

xiii. ***'Multilingual Dictionary Generation Using Indo-Wordnet: A Proposal'*** with Neha Dixit in **THE COMMUNICATIONS-***Journal of Applied Research in Open and Distance Education,* 2012, ISBN: **0975-6558,** Vol. 21, Issue 01, PP 188-191.

xiv. ***'Kashmiri Spell Checker and Suggestion System'*** with Bipul S Purkasyastha in **THE COMMUNICATIONS-***Journal of Applied Research in Open and Distance Education,* 2012, ISBN: **0975-6558,** Vol. 21, Issue 02, PP 123-127.

xv. ***'Diffusion Process in Linguistic and Technology'*** with Neha Dixit and Swapana Malik in **THE COMMUNICATIONS-***Journal of Applied Research in Open and Distance Education,* 2012, ISBN: **0975-6558,** Vol. 21, Issue 02, PP 128-131.

xvi. ***'Pan-Indian Dictionary Generation Using Indo-WordNet'*** *with Neha Dixit.,* **in Language and Society**, 2013, ISBN: 978-81-921957-0-4, PP 221-224

xvii. '***Kashmir Part of Speech Tagger Using CRF",*** with Bipul S Purkasyastha., in Indian Journal of Research, Vol. 3, Issue 3, 2014, PP 37-38

xviii. '***Design and Implementation of Spell Checker for Kashmiri",*** with Bipul S Purkasyastha, in International Journal of Scientific Research, Vol. V, Issue VII, July 2016, PP 199-200.

Work Shops Attended:

a) Participated in "**The Second IIIT-H Advanced School on Natural Language Processing-2008 (2nd IASNLP-2008)**" held at **International Institute of Information Technology, Hyderabad (IIIT-H)** from **26th May** to **9th June 2008**.

b) Participated in the interaction program with the **Central Institute of Indian Language, Mysore** from **30th Jan** to **20th Feb. 2009**.

c) Participated in the '**Comprehensive Workshop on WordNet Building for Indian Languages**' led by Dr. Phuspak Bhattacharya, **IIT Bombay**, from **11th June** to **14th June 2009** at **Amrita University, Coimbatore**.

d) Participated in the '**5th Global WordNet Conference**' organized by **Indian

Institute of Technology Bombay, from **31st Jan** to **4th Feb 2010**.

e) Participated in the "**International Seminar on Language, Culture and Identity: Issues and Challenges**" jointly organized by Department of Linguistics , **Aligarh Muslim University**, **CIIL Mysore** and **Indian Council of Social Sciences Research, New Delhi** from **February 8th – 10th , 2010**.

f) Participated in the **Workshop on Hindi-English-Kashmiri dictionary** organized by **Central Institute of Indian Languages (CIIL)**, **Mysore** at Dept. of Linguistics, University of Kashmir from **27th March to 1st April 2010**.

g) Participated in the **2ND National Workshop on Indo-WordNet** organized by **Indian Institute of Technology (IIT), Bombay** in collaboration with **Nepalese WordNet Group, Silchar** at **Shillong** from **12th April, 2010** to **14th April, 2010**.

h) Participated in '**The 3rdIIIT-H Advanced School on Natural Language Processing-2011(3rd IASNLP-2011)**' held at the **International Institute of Information Technology, Hyderabad** from **23th May** to **5th June 2011**.

i) Participated in the '**YDR cum Research Ethics Workshop**' organized by **YDR Collaborating Center SKIMS** and Institutions Ethics Committee (IEC), SKIMS held at Sher-i-Kashmir Institute of Medical Sciences, Srinagar from **9th - 10th November, 2016**.

j) Participated in AICTE recognized Short Term Course on '**MATLAB and LABVIEW with its Hardware Interface**' through ICT organized by **National Institute of Technical Teachers Training and Research, Chandigarh** and conducted by Electrical Engineering Department, **Baba Ghulam Shah Badshah University**, Rajouri, J&K from **January 29th, 2018 to February 2nd, 2018**.

k) Participated in the **'Two Day Workshop on Outcome Based Education (OBE)'** organized by **School of Engineering and Technology, Baba Ghulam Shah Badshah University, Rajouri, J&K from March 19th – 20th, 2018**.

Signature