

RESUME

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Carrier Objective

To be involved in work where I can utilize skills and creativity to effectively contribute to growth of Organization.

Professional Summary

I have completed Master of Engineering in Software Engineering and B.Tech in I.T. Currently, I am working as Assistant Professor at Sinhgad Academy of Engineering since August 2012. I am also pursuing PhD from K L University, Guntur since 2013. I am very hard working and willing to switch to IT industry. I currently also pursuing course on Big Data Developer in Seed Infotech.

Technical Skills

Languages : C, C++, shell programming (Linux), Core Java, UML, Hadoop File System

Database : MYSQL, Cassandra.

Operating Systems : Windows, Linux (Ubuntu).

● Preparing for following certification examinations:-

Redhat Certified System Administrator (RHCSA)

Educational Qualifications

Examination	Discipline/Specialization	Board/ University	Year of Passing	Class	Remarks
Ph.D. (Pursuing)	Software Engineering	K L University, Andhra Pradesh	-	-	Admission taken in July 2013
M.E.	Software Engineering	Thapar University, Patiala, Punjab	2011	First	79.8%
B.Tech	Information Technology	BVP, Pune.	2009	First	
H.S.C. (10+2)	Science (Math Stream)	C.B.S.E.	2004	First	
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Projects Undertaken

- **PhD Project-** “Generating UML Diagrams from Natural Language Text”

By making use of NLP tools and techniques, this project aims to develop UML diagrams from Natural Language text. This project makes use of UBY Lexical Resource for developing UML

class, use case and activity diagrams. As the research direction changes, corresponding changes will be made to this project.

- **ME thesis-**“English to Hindi Statistical Machine Translation Systems (SMT)”

This project makes use of Language Model, Translation Model, and Decoder for undertaking English to Hindi Machine Translation. A user-interface was developed over Moses (Decoder), Translation Model (GIZA++), Language Model (SRILM).

- **BE Project-** “Image compression using Haar wavelet transforms”

Haar wavelet transformation produces better results of compression when performed on fractal images. The algorithm for undertaking compression was haar wavelet. Using java swing an interface was created for image compression.

Teaching Experience

I have total teaching experience of 5 years and 8 months.

Sr. No.	Duration	Name of Institute	Years/Months	No of Publications (International)	Post
1	2 nd August 2012- To Date	Sinhgad Academy of Engineering (SAE), Pune	4 year, 8 Months	3	Assistant Professor
2	1 July 2011- 1 st August 2012	Sharda University, Greater Noida	1 year	1	Assistant Professor

Industrial Experience

I had developed English to Hindi Statistical Machine Translation system using toolkit of Moses, GIZA++, and IRSTLM. Using these tools, I had performed the work of translating text in English to Hindi. The post translation changes included realignment of the target language sentences. A total of around 5,000 words were translated from English to Hindi.

Subjects Taught/Expertise

Semester	Subject
1	SE, OOMD, STQA, Fundamentals of Programming Languages (FPL-I), Digital Electronics and Logic Design, Information Technology Planning Management, Green IT

2	Mobile Computing, E-commerce, Fundamentals of Programming Languages (FPL-II)
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List of Publications

Sr. No.	Title of Paper	Organizing Institute (Conference) /Journal Name	Month and Year	Indexed at
1	Possibility of Interdisciplinary Research - Software Engineering and Natural Language Processing	Advances in Information Sciences and Social Sciences, Korea.	Feb, 2016	-
2	Integrating Natural Language Processing and Software Engineering	International Journal in Software Engineering and Its Applications, Korea (Scopus Indexed)	Nov 2015	EBSCO, ProQuest, ULRICH, DOAJ, J-Gate , Cabell, SCOPUS.
3	Issues in NL text for generating UML Diagrams	ICRTES, Springer	March 2015	Scopus, Google Scholar
4	Image Compression and manipulation over Cloud	International Journal Computer Applications (IJCA)	March-2015	Google Scholar
5	Issues in developing UML diagrams from Natural Language Text	TELEGU-2014 organized by WSEAS	Dec-2014	Google Scholar
6	Combining Natural Language Processing and Software Engineering	ICRTES 2014 organized by IET and Elsevier	March 14-15, 2014	Google Scholar
7	Machine Translation- Indian Regional Languages	RACECIT-2014, Organized by WSEAS.	Jan 10-12, 2014	Google Scholar
8	Software metrics from MDL	ICACCN 2011, UACEE (In proceedings of International Journal in Computer Science and Its Applications (IJCSIA)	June, 2011	Google Scholar
9	English to Hindi SMT system	International Journal of Advances in Computer Networks and its Security (IJACNS), UACEE	August, 2011	Google Scholar
10	Statistical Machine Translation for Indian languages	JIET Jodhpur and IEEE	September, 2010	-

Professional Courses Attended

Sr. No.	Name of training program	Duration	Organizing Institute/ Company	Nature of training program
1	Building Emotional Quotient in mind	1 day	Cognizant Technologies	FDP
2	Faculty Development Program On Cloud Computing and Big Data Analytics	21-22 Feb,2014	L & T InfoTech	Training/FDP
3	Teacher's Advancement Program (TAP) –II	1 Apr - 3 Apr, 2014 (3 days)	Sinhgad Academy of Engineering, Pune	Workshop
4	Research Methodology	6 July-9 July 2013	K.L. University, Andhra University	Towards Pre-Phd Course Work
5	Teacher's Advancement Program (TAP) –I	4 Dec - 6 Dec, 2013 (3 days)	Sinhgad Academy of Engineering, Pune	Workshop
6	Faculty Development Program (FDP)	04 July- 29 July 2011 (25 days)	Sharda University, Greater Noida, India	Training
7	Faculty Development Program (FDP)	21 Dec, 2012 (1 Day)	MIT Pune, Pune University	Workshop
8	Research Methodology	27 Nov, 2010 (1 day)	Thapar University, Patiala, India	Workshop
9	Research promotion workshop on Graph Theory	28-30 October,2010 (3 days)	Thapar University, Patiala and TIFR, India	Workshop

Membership of Professional Bodies Held

Sr. No.	Name of Body	Organization	From	To	Current Status
1.	Computer Science Teachers Association (CSTA)	A.C.M.	Feb, 2013	Through Dec, 2015	Active

Extra Curricular

Wikipedia

- Regular contribution to Wikipedia's projects including wikinews (en.wikipedia.org).
- Wrote article on Fundamentals of Programming Language-I at Wikiversity (en.wikiversity.org)

Linux

- Regular contributor at linuxquestions.org to aid and help Linux community.

Personal Details

Name: Nakul Sharma

Marital Status: Unmarried

Date of Birth: 1 September, 1986.

This information is true to the best of my knowledge and abilities.

Nakul Sharma