Aditya Kumar Pathak

adityapathak.cse@gmail.com, +91-7895770600

Personal Data

DOB:	12/06/1993
Address:	Village Panjari Khurd, Post Lalgarh, Dist Palamu, J.H., India, PIN: 822124
webpages:	LinkedIn
Research Interests:	Machine Translation, Machine Learning.

Education

2016 - 2018 **International Institute of Information Technology (IIIT)**, Bhubaneswar
Master of Technology (*Pursuing*) in Computer Science and Engineering

2012 - 2016 **Quantum School Of Technology** (*Uttrakhand Technical University*), Dehradun
Bachelor of Technology in Computer Science and Engineering

Technical Skills

Machine Translation Tools:	OpenNMT, Moses, Azure ML
Other Tools	Visual Studio, GIT, CAKE PHP, GEANY, gedit, CODE:BLOCKS.
Languages:	python, C/C++
Database:	MySQL, Oracle10g
Server:	Samba for Ubuntu
Operating System:	Ubuntu, Linux Mint, CentOS

Internship/ Work Experience

- Summer School at IIIT Hyderabad (LTRC Lab) (June'17),Worked on Neural Machine Translation for Indic Language. Exploring Neural Machine Translation for various Indic languages, especially resource-scarce languages.
- Summer Internship NLPR Lab (IIT-BHU) (July'17), Worked on parallel corpus creation.
- Internship at Cemtics Gurgoan (Feb'18-April'21), In the field of Data Science.

Aug'17 - Oct'17 | **Teaching Assistant:** OOPS Lab, IIIT-Bhubaneswar
Jan'18 - Feb'18 | **Teaching Assistant:** OS Lab, IIIT-Bhubaneswar

Academic Projects

AUG'17 - APR'18 | **Hindi-English Machine Translation using Deep learning**, *M.Tech Thesis Project*
Supervisor: Dr. Rakesh Chandra Balabantaray, (*Dean, IIIT Bhubaneswar*)
We have develop a hybrid system for low resource language using OpenNMT(Deep learning Tool) and also applying some post editing techniques on translated sentences.
Technologies: *Python, OpenNMT*

Jan'18-Present | **Automatic Parallel Corpus For New Translation Task**
Developing an Automatic Parallel Corpus generation applying for Fuzzy String matching Algorithm along with other available approximation string matching algorithm.
Technologies: *Python, MOSES*

Dec'16-Mar'17 | **Error analysis of Sanskrit-Hindi Translation**
Worked on Sanskrit-Hindi translation using Moses and microsoftHub and found out fluency as well as adequacy of sentences.
Technologies: *MOSES, MT-Hub*

FEBRUARY 2015 | **Sign language recognition**,
MATLAB was used in this project k-nearest neighbor algorithm was used to make comparison between different hand size and different skin tone.
TECHNOLOGIES: *MATLAB*

AUG 2014 | **College website**, *B.Tech Project*
Project includes features of sign up, login authentication, session management, C.R.U.D data from Database Net Beans and Oracle10g.

PUBLICATION

- A Case Study of Hindi-English Example Based Machine Translation in 1st International Conference on Energy, Materials and Information Technology, 2017 sponsor by Springer(ICEMIT)

EXTRACURRICULAR ACTIVITIES

- Certified in biodiversity use of Medicinal Plants at state level.
- Did scout guide training at district level.