

## JAYA PATHAK

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## EDUCATION

Degree	Institute	Year	CPI/Aggregate
M.Tech.	Indian Institute of Information Technology, Vadodara	2018-2020	7.85
B.Tech.	Shri Shankaracharya Engineering College, Bhilai	2012-2016	79.4%
Intermediate/+2	St. Xavier's Senior Secondary School, Dhamtari (ISC)	2010-2012	73.5%
High School	St. Xavier's Senior Secondary School, Dhamtari (ICSE)	2009-2010	73.4%

## SKILLS

<b>Area(s) of Interest</b>	Operating System, Database Management, Data Structures, Machine Learning .
<b>Programming Language(s)</b>	C, MATLAB, python, L <sup>A</sup> T <sub>E</sub> X.
<b>Tools and Technologies</b>	Eclipse, Tuffy(The MLN software).
<b>Database</b>	PostgreSQL, MySQL.

## PROJECTS

<b>Voice Mail System</b>	<b>Guide : Shankar Sharan Tripathi(SSGI)</b>
<b>Duration : Feb'16 - April'16</b>	<b>Team Size: 3</b>

This project converts text to speech, allow users sending and retrieving audio messages. These messages are sent through emails and received as audio. Voicemail systems are more flexible as messages are passed between users even when one of them are unavailable at that time. It is also helpful for a person with disabilities.

## DISSERTATION

<b>Metaphor Set Expansion Using MLN</b>	<b>Guide: Dr Pratik Shah</b>
<b>Duration: June'2019 - July' 2020</b>	

Metaphor is a figurative expression comparing two different objects having some similar properties by directly referring to one by mentioning the other. To recognize metaphor we first identify the source-target mapping in sentences, We use the concept of is-A relation, such that sentences having is-A pattern can be stated as metaphor. We are trying to use MLN(Markov Logic Network) for expansion of metaphor sets. A Markov logic network consist of First order knowledge base with weights associated with each formula or clause to make a undirected graphical models as Markov Network.

## CERTIFICATIONS

<b>CORE JAVA</b>	Solwins Technologies	Bhilai	August 2014
<b>PHP</b>	Solwins Technologies	Bhilai	July 2015
<b>Robotics</b>	VERVE Technologies	Durg	February 2013
<b>Python for Everybody</b>	University of Michigan	Coursera	August 2020
<b>Introduction to Machine Learning</b>	Duke University	Coursera	Present

## AWARDS AND ACHIEVEMENTS

- Selected in RMO (Regional Mathematical Olympiad) conducted by HBCSE (Homi Bhabha Centre for Science Education).
- And was qualified for INMO (Indian Mathematical Olympiad).
- Qualified GATE 2018
- Qualified GATE 2020
- Qualified for Assistant Professor through State Eligibility Test- SET 2019

## POSITION OF RESPONSIBILITY

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- Worked as a Teaching Assistant for various courses in Indian Institute of Information Technology, Vadodara Aug'2018-Sept'2020

## INTERESTS AND HOBBIES

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- Watching action and thriller movies/series , reading fiction and mythological books, watching documentaries and TED talks.

**Declaration :** I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

JAYA PATHAK  
Date: 17-12-2020