

Abhishek Pradhan

Natural Language Processing Engineer

Research & Development experience in Natural Language Processing, Deep Learning, Text Classification, Language Modelling and Sequence Tagging



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Singapore 📍

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WORK EXPERIENCE

NLP Engineer (Research & Development)

Taiger Singapore Private Limited

01/2018 – Present

Singapore

- Responsible for leading Applied R&D team at Taiger.
- Responsible for solving NLP problems using State-of-Art NLP techniques.
- Designed & built End-to-End System for Information Extraction System.
- Designed & implemented NLU system for Chatbot using Deep Learning.
- Implemented & trained Named Entity Recognition for identifying Degree, Educational Institutions, Designations and Organizations for resume parsing. (<https://arxiv.org/pdf/1511.08308.pdf>)
- Implemented question topic classification for a chatbot with less amount of data. (<https://arxiv.org/pdf/1801.06146.pdf>)

Research Engineer (NLP)

Rolls-Royce@NTU Corporate Lab

01/2017 – 01/2011

Singapore

- Designed & implemented information extraction tool for emails and attachments.
- Implemented email subject classification using 2 Layer bidirectional LSTM architecture.
- Worked on sequence tagging with short sentences using bidirectional LSTM.
- Worked in information extraction from pdf documents and word documents.
- Designed and implemented Apache Solr based Search Engine for document searching.

Software Developer (NLP)

BigInfo Labs

04/2015 – 12/2016

Bangalore, India

- Designed and Implemented Published Date, Text extraction from PDF and Important.
- Worked on Apache Spark and Apache Solr for indexing and parallel processing of NLP based algorithms.
- Worked on implementing Algorithms and feature development for IP based Solution.

Senior Software Engineer

Capgemini Private Limited

06/2013 – 03/2015

Bangalore, India

- Associated with setting up of MongoDB.
- Responsible for importing JSON data to MongoDB.
- Associated with transforming imported data using Aggregation Framework.

SKILLS

Python

Deep Learning

PyTorch

Tensorflow

NLP

Machine Learning

LSTM

CNN

Java

EDUCATION

Bachelor of Technology

International Institute of Information Technology, Bhubaneswar, India

09/2009 – 06/2013

PUBLICATIONS

Personalized Terms Derivative

Nitin Kumar, Abhishek Pradhan

- International Conference on Information Technology, 2016
- <https://goo.gl/dYaLWH>

Published Date Extraction System: A semi supervised approach of extraction

Nitin Kumar, Abhishek Pradhan

- International Journal of Engineering Trends and Technology, 2017, Vol. 45 Number 2
- <https://goo.gl/PSBxT4>