

ABHISHEK PRADHAN

Research Lead (NLP & Deep Learning)

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EXPERIENCE

Research Lead (NLP & Deep Learning)

Taiger Singapore Pte. Ltd

Jan 2018 – Present Singapore

- Responsible for leading Applied R&D team for NLP and Deep Learning at Taiger.
- Designed & implemented Machine Reading Comprehension System using BERT.
- 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

Jan 2017 – Jan 2018 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 Pvt. Ltd

Apr 2015 – Dec 2016 Bangalore, India

- Designed and Implemented NER, Published Date, Text extraction from PDF and Important keyword extraction using TextRank algorithm.
- 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

Jun 2013 – Mar 2015 Bangalore, India

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

SUMMARY

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

SKILLS

NLP Deep Learning Transformer
LSTM CNN
Python PyTorch Tensorflow
Java

LANGUAGES

English
Hindi



EDUCATION

Bachelor of Technology

International Institute of Information Technology, Bhubaneswar India

Sept 2009 – June 2013