

# Anindya Sundar Das

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## EDUCATION

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### Indian Institute of Technology

*Master of Technology, Mathematics & Computing*

CPI: 9.61/10 upto 3rd Semester

**Patna, India**

*July 2018 – June 2020(Expected)*

### West Bengal University of Technology

*Bachelor of Technology in Electronics and Communication Engineering*

CGPA: 9/10

**Kolkata, West India**

*August 2008-June 2012*

### Dum Dum K K Hindu Academy

*Class XII, West Bengal Board*

Percentage: 82

**Kolkata, West India**

*April 2008*

### Dum Dum K K Hindu Academy

*Class X, West Bengal Board*

Percentage: 87

**Kolkata, West India**

*April 2006*

## KEY SKILLS

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### Relevant Courses

- Artificial Intelligence (CS571)
- Machine Learning (CS564)
- Bigdata Computing (CS555)
- Probability and Statistics (MA501)
- Deep Learning (CS551)
- Natural Language Processing (CS563)
- Numerical Optimization (MA502)

### Relevant Skills

- Natural Language Processing
- Deep Learning, Neural Networks, Pytorch, Keras
- Machine Learning & Artificial Intelligence
- Programming Languages: Python, R, C, C++
- SQL

### Other Professional Skills

- Database: DB2, SPUFI, SQL
- Programming Languages: COBOL, JCL
- Operating environments: Z/OS, OS/390
- Online: CICS
- Others: TSO, ISPF, VSAM

*IBM Mainframe*

## INTERNSHIP

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### Research Assistant, TU Darmstadt, Germany

*Sep 2019 - Mar 2020*

- As a DAAD KOSPIE Scholar I worked at UKP Lab, TU Darmstadt. During the course of the internship I worked on the problem related to Self-supervised Image Caption Generation problem using a multi-modal approach. Image Caption generation problem lies in the common zone of both NLP and Computer Vision. During this time, I worked with Autoencoders, Convolutional Networks, RNNs (LSTM), Generative Adversarial networks, word embeddings.

### Project Intern, TATA Research Design and Development Center, Pune

*May 2019 – July 2019*

- During my stay at TRDDC as a Project Intern I worked on a research problem related to Knowledge Extraction in bio-medical domain in the area of Natural Language Processing. I have developed a solution to extract N ary relations using interface in Markov Logic Networks (MLN) to combine multiple NLP pre processing inputs like SRL (Semantic Role Labeling) and Dependency parsing, along with domain knowledge rules specified in first order logic format.

## EXPERIENCE

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### IBM

**Kolkata & Bangalore, India**

*Associate System Engineer*

*April 2014 - May 2015*

- Worked as a developer with international clients such as *MEDCO, Manulife Financial*; responsibilities include coding, test case preparation, code review, unit test plan and unit testing.
- Involved in problem case analysis and solution .
- Debugging and analyzing online/batch programs in Mainframe.
- Translate customer requirements into formal requirements and design documents, establish specific solutions, and leading the efforts including programming and testing that culminate in client.
- Query Profiles, opening, modifying and building queries through SPUFI, Embedded SQL.

*Sytem Engineer*

**Kolkata, India**

*May 2015 – July 2018*

- Worked with international clients such as *HERTZ, CHUBB*.  
Developed new programs to process input data to calculate respective fields, in order to send it to RDS report format.
- Develop New modules and modification of existing modules for Brand merging (Integration of thrifty, Dollar and HERTZ).
- Responsibilities include analysis based on business requirements of the existing code, new programs, subroutines, design functional requirement document, High level Design requirement document , Low level Coding documents and proposing new design implementation,doing Impact analysis, writing new programs with embedded SQLs to insert and update into tables, Unit testing, End to End(system testing) testing.

## AWARDS AND ACHIEVEMENTS

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- DAAD Masters Scholarship awardee 2019.
- Department rank 1 (MTech Math and Computing, 2nd rank among all MTech students of IIT Patna).
- GATE 2014 qualified, Rank 855 out of 2,16,367 students, Score 756/1000.
- Selected for MS(engineering) EE in IISc(2015), M.Tech IIT kgp Multimedia Information processing(2015).
- Departmental Rank 5,ECE Narula Institute of Technology(2012).
- fluent in English, Bengali and Hindi.