

# Ayan Das

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## SUMMARY

Doing **M.Tech in Computer Science & Engineering** with consistent academic record and industry experience. Confident to take any sort of professional responsibilities under any circumstances. Great operational, communication and computer skills. Keen to utilize knowledge and wants to devote entirely for the organization.

## EDUCATION

Examination	Board / University	Subjects Studied /Stream	Year of Passing	% of marks/ Grade	Class / Division
<b>M.Tech</b>	Indian Statistical Institute, Kolkata	Computer Science	2016	70	
<b>B.Tech</b>	West Bengal University of Technology (WBUT)	Computer Science	2011	8.32	I
<b>Higher Secondary</b>	West Bengal Council of Higher Secondary Education (W.B.C.H.S.E.)	Chemistry, Physics, Mathematics, Biology, English, Bengali	2007	76	I
<b>Madhyamik</b>	West Bengal Board of Secondary Education (W.B.B.S.E.)	Mathematics, Physical Science, Life Science, History, Geography, English, Bengali	2005	80.4	I

## AREA OF INTEREST

- Data Structure and algorithm
- Data Mining and Machine learning
- Cryptology and information Security

## ACHIEVEMENT

**Rank 383 In all India Computer Science GATE examination (99.76 percentile)**

## PROFESSIONAL EXPERIENCE

Organization: **Infosys Limited**  
Designation: **Senior Systems Engineer**

Period: **Aug 2011 to June 2014**

### **Developed Informatica mapping tool generator by Microsoft excel using VBA**

**Tool used:** Informatica

**Language used :** VBA

**Client :** royal bank of Scotland (It was an internal project and the tool we implemented Used in RBS project )

**Description :** Developed a user friendly tool in Microsoft excel using VBA by which developer can generate xml for 9 different mapping of informatica in a sort time and in secure way.

### **Made tool in Java swing for cron expression generation**

**Tool Used :** Eclipse indigo

**Language used :** Java

**Purpose :** Used to generate cron expression for job scheduling in Unix .Mainly for LexisNexis but published in Infosys portal Kshop.

## PROJECT ASSIGNMENTS

**Title:** Evacuation Scheduling **(Summer Internship)** **Period:** 11<sup>th</sup> May 2015 – 31<sup>st</sup> July 2015

**Organization:** TCS Innovation lab, Kolkata

- Description : Designed Hub Based approach for CCRP algorithm which is a improvement over CCRP algorithm whose time complexity is less than CCRP but evacuation time is slightly greater than that of CCRP algorithm. I used betweenness of centrality to identify hub nodes.
- Tools used : Core Java with jgraph package

**Title:** Word Sense Disambiguation **Period:** 11th May 2015 – 31st July 2015

**Organization:** ISI, Kolkata

- Description : Implemented word sense disambiguation . Using machine learning technique. Did it in 3 steps. 1st Internet searching for similar words then get hypernym and hyponym of them and then applied Lesk approach to compare the meaning.
- Tools used : Java eclipse, wordnet

**Title: Fraud detection in bitcoin transaction network by data analysis** **Period: 10<sup>th</sup> May 2016 – Ongoing**

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**Organization: ISI Kolkata**

**Project Guide: Dr. Sushmita Ruj**

- Description : Detection of probable fraud bitcoin user by forming clustering from fetching different attributes of bitcoin user-transaction graph nodes and detection of some famous bitcoin user's behavior from clustering analysis.
- Tools used : GraphStream, R Studio, Java eclipse

**Title: Temporal access control on cloud data** **(Final year dissertation)**

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**Organization: Indian Statistical Institute, Kolkata**

**Project Guide: Dr. Sushmita Ruj**

- Improvement of a special type of Cipher policy Attribute Based Encryption scheme that will be operated on cloud storage. In our scheme encrypted content will be stored in cloud server and will give temporal access in a secure manner to some specific set of user. We have improved time complexity of all the phases by introducing some extra functionalities.
- I have put the thesis into the below link  
<https://github.com/ayanDas-isi/TemporalAccess/blob/master/Report3.pdf>

## COMPUTER PROFICENCY & IT RELATED SKILLS

- **Language Known** : In depth knowledge of C, Core Java, Oracle, R
- **Course taken in ISI** :
  1. Data Mining
  2. Information retrieval
  3. Natural language processing
  4. Cryptology
  5. Information security
- **Coursera Course Taken** : R for data science , Exploratory data analysis
- **Technical knowledge** :

In depth knowledge on	<ul style="list-style-type: none"><li>- Data Structure and Algorithm</li><li>- Data Mining</li></ul>
Basic knowledge on	<ul style="list-style-type: none"><li>- Cryptology</li><li>- Statistical learning</li><li>- Information retrieval</li></ul>

## PERSONAL DETAILS

- Address : 29/8 N.K. Banerjee Street  
: P.O :Rishra Dt : Hooghly  
West Bengal  
Kolkata-712248
- Date of Birth : 9<sup>th</sup> October 1989
- Sex : Male
- Nationality : Indian
- Religion : Hindu
- Marital Status : Single

## DECLARATION

I do hereby declare that all the statements given above are true to the best of my knowledge and belief.

Ayan Das

Date: 15<sup>th</sup> July, 2016

Place: Kolkata