

## EXPERIENCE

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- **PreCog Research Lab, IIIT-Delhi** Delhi, India  
*Research Intern* *January 2017 - Present*
  - **Area:** Spam Detection on Social Networks
  - **Advisor:** Dr. Ponnurangam Kumaraguru (PhD, CMU)
  - **Work:** It involves study and analysis of different aspects of social systems like FB and Twitter, including their security and privacy. Understanding of complex networks is achieved using tools from various fields including Data Science, Computational Social Science, Social Computing, Machine Learning, and Natural Language Processing.
  - **Collaborators:** Prof. Mustaque Ahamad (Georgia Tech), Dr. Payas Gupta (Pindrop, Atlanta), Dr. Manish Gupta (Microsoft Research, Hyderabad)
  - **Output:** Work has culminated into a research paper, expected to be submitted to a top conference next month.
- **EngineChief, Iron Play Technologies Pvt. Ltd.** Delhi, India  
*Software Engineering Intern - Ruby on Rails* *June 2016 - August 2016*
  - **Inventory Management System:** Using Ruby on Rails with PostgreSQL, designed and implemented a web interface and back end for tracking inventory.

## EDUCATION

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- **Maharaja Agrasen Institute of Technology** GGSSIP Univ., Delhi, India  
*Bachelor of Technology in Information Technology; Aggregate Percentage: 76.6%* *2014 - 2018*
- **Springdales School, Pusa Road, New Delhi** Delhi, India  
*Central Board of Secondary Education (CBSE); 92.6% aggregate in Senior Secondary* *2014*

## ACHIEVEMENTS

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- **Smart India Hackathon 2017:** Our team of 6 members won the first prize (Rs. 1lac) in AICTE (out of 28 ministries). Team selected to implement the project for the AICTE over a period of 6 months.
- **TCS CodeVita:** Team lead for a team of two. Ranked 731 out of 65,000 teams in round 1.
- **Association for Computing Machinery (ACM):** Received 'Recognition of Service Award' as founding Chair of a 80+ strong team of ACM-MAIT Student Chapter.
- **Maths and Science Symposium, Middle School:** Won first prize.

## PROJECTS

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- **Prediction of Admission & Jobs in Engineering & Technology/Management/Pharmacy**  
*AICTE, Ministry of Human Resource Development (MHRD), Government of India.*
  - **Status:** Ongoing
  - **Advisor:** Dr. Sambuddha Roy (PhD, Rutgers; Deep Learning Practitioner)
  - **Objective:** Develop an app to help AICTE provide grants and approvals by estimating the employment potential of an institute using tools from Data Science and Machine Learning.
  - **Project Budget:** Rs. 3lac along with 6 months stipend to each member.
- **#USelections Twitter & Facebook Analysis**  
*PreCog@IIIT-D*
  - **About:** Python WebApp to analyse the US Presidential Elections using the Twitter Streaming API in real time and Facebook posts from FB Graph API.
- **C\$50 Finance and Breakout**  
*As part of CS50 offered by Harvard University on edX*
  - **About:** Built a web-based virtual trading tool used to manage portfolios of stocks of different users allowing them to buy/sell stocks in real time using Yahoo! Finance API. Also, developed the famous game - Breakout using Stanford's Portable Library for GUI Programming.

## PROGRAMMING SKILLS

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- **Languages:** Python, C/C++, Java, Ruby, HTML, CSS, PHP
- **Technologies:** Flask, Rails, MongoDB, SQL, PostgreSQL