

Mrinal Tak

Software Engineer



10 November 1994



Bangalore, India



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Courses Completed

- Intelligent Systems & Interfaces (NLP)
- Data Mining
- Computer Vision using Machine Learning
- Data structures
- Algorithmic Game Theory
- Computer Networks
- Operating System
- Theory of Computation
- Artificial Intelligence
- Algorithms
- Probability
- Software Engineering
- Database Management System

Skills

- Programming Languages: C, Python, SQL, C++, JAVA, C#
- Platforms/Operating Systems: Linux(Ubuntu), Windows
- Document Writing: MS-Office Suite, Latex editor
- Tools and IDE: Apache spark, MATLAB, Android Studio, Visual Studio, Wireshark, Unity 3D

Interests

Data Structures, Natural Language Processing, Machine Learning

Education

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|-------------|--|---------|
| 2013-2017 | B.Tech Computer Science and Engineering
Indian Institute of Technology Guwahati | 8.72/10 |
| March, 2013 | Senior Secondary
MDS Sr. Sec. School, Udaipur | 92% |
| March, 2011 | Secondary
St. Pauls Sr. Sec. School, Udaipur | 10/10 |

Experience

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| 2019-current | Compliance Division Bangalore | Senior Analyst |
| | • Working on topic modeling and building a search engine. | |
| 2017-18 | Advanced Tech. Lab, Samsung Research Bangalore | Research Profile |
| | • Working on Anti Counterfeit Engine, built an end to end system for fact checking and Question Answering. | |
| | • Created Calendar-360, a smart calendar based on Conversational Intelligence, using NLP techniques. | |
| 2016 | Data Analytics, Samsung Research Bangalore | Internship |
| | Created an App Recommendation System using Pyspark Technology. | |
| 2015 | Real Yagu Zone, Seoul, South Korea | Internship |
| | Worked on Game Development in UNITY 3D using C# language and integrated it with User Skills | |
| 2015 | Hanyang University, Seoul, South Korea | Research Assistant |
| | Research Project on General Type 2 Fuzzy Logic in Pattern recognition | |

Achievements

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| 2013 | IIT-JEE Advanced All India Rank- 954 |
| 2016 | LEAN SIX SIGMA: Green Belt Certified |
| 2010 | NSTSE (National Level Science Talent Search Exam) AIR- 32 |
| 2012 | KVPY Scholarship exam All India Rank- 268 |
| 2015 | National Runner-up in Business Plan (Brain Child, Corporate Module IITG) |

MAJOR PROJECTS

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| 2017 | Payment Mechanism in Knapsack Auctions
As a Bachelor Thesis Project, designed a payment mechanism for Knapsack Auctions which does not overpays the agents. |
| 2017 | Entropy: Language Model Based Readability Metric
Used Language Modeling approach to predict readability of text which is unsupervised and generic. |
| 2016 | Convolutional Neural Networks based Video Surveillance System
Used Hierarchical Convolutional features and Multi-Domain net, to build an object tracker. |
| 2016 | Use of Big Data to Enhance performance in Manufacturing
Used online learning approach to generate scores for categorical features and combined them with numerical features, and applied SVM on the stacked data. |

Positions of Responsibility

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| SENIOR EXECUTIVE, EDC | The Entrepreneurial Development Cell-IIT-Guwahati |
| ORGANIZER, UDGAM | The IIT Guwahati Entrepreneurship Summit |
| ORGANIZER, TECHNOTHOLON | The International School Championship |