

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

Algorithm design, Natural Language Processing, Deep Learning

Education

2013-2017 B.Tech Computer Science and Engineering 8.72/10
Indian Institute of Technology Guwahati

Experience

- 2019-curr Goldman Sachs Senior Analyst
- Working on topic modeling.
 - Proposing new approaches to improving search engine rankings
- 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

- 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

- 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

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