Pratik Mishra

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EDUCATION

IIT KANPUR
BS in Mathematics and Scientific Computing
Expected May 2018 | Kanpur, India
Cum. CPI: 8.8

DELHI PUBLIC SCHOOL RANCHI
Grad. May 2014| Ranchi, India

COURSEWORK

UNDERGRADUATE
Linear Algebra
Abstract Algebra
Probability and Statistics
Data Structures and Algorithms
Natural Language Processing
Optimization Techniques
Databases (ongoing)
Bayesian Machine Learning (ongoing)

SKILLS

PROGRAMMING
Comfortable:
C • C++ • Python • HTML • CSS
Familiar:
Git • Pandas • Matplotlib • Scikit-learn

LINKS

Github:// **pratik1105**
LinkedIn:// **pratik1105**
Facebook:// **pratik.mishra.9**
Twitter:// **@pratikmishra001**
Quora:// **Pratik-Mishra-8**

PROJECTS

OPTICAL CHARACTER RECOGNITION | Programming Club
Feb 2016 – Apr 2016 | IIT Kanpur
- Implemented Convolutional Neural Network and Softmax regression using TensorFlow(Google library for Machine Learning) for classification of digits using the MNIST dataset.

FRAUD PREDICTION IN ENRON DATASET | CS 671
Jul 2016 – Nov 2016 | IIT Kanpur | github link
- Employed NLP techniques to find Indicators of fraudulent behavior in Enron Emails dataset
- Implemented topic modelling using LDA analysis to make predictions

COMBINATORIAL OPTIMIZATION | CS 774
Jul 2016 – Nov 2016 | IIT Kanpur | github link
- Completed a reading project on problems of combinatorial optimization under the course Optimization Techniques
- Compiled applications and heuristic solutions to the Travelling Salesman Problem and Min-Max flow problem

COMPETITIVE PROGRAMMING

Year		
2016	**ACM ICPC**	**28th** overall and **3rd** in IIT Kanpur in Regional Qualifiers
2016	Codechef profile	Long contest world ranking of **872**
2016	Codeforces profile	Maximum level reached : **BLUE**
2016	Kaggle	Completed 2 playground competitions

RESEARCH INTEREST

- Data Visualization
- Machine Learning
- Algorithms
- Discrete Mathematics

ACHIEVEMENTS

Year			
2012	National	Indian National Mathematics Olympiad **(INMO)** Finalist
2011	National	Indian National Mathematics Olympiad **(INMO)** Finalist
2010	National	AIR **8** in DPS Science and Maths Competition
2009	National	AIR **44** in Fiitjee Talent Reward Examination(FTRE)

EXTRA CURRICULAR

- Maintain a personal blog (LINK)
- Play Basketball, Football, Cricket, Table Tennis, Badminton
- Avid reader of Fiction Novels