

Pratik Mishra

<https://pratik1105.wordpress.com>
pmishra@iitk.ac.in | 8960619723

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:// [@pratkmishra001](#)

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

2016 **ACM ICPC**

2016 Codechef profile

2016 Codeforces profile

2016 Kaggle

28th overall and **3rd** in IIT Kanpur in Regional Qualifiers

Long contest world ranking of **872**

Maximum level reached : **BLUE**

Completed 2 playground competitions

RESEARCH INTEREST

- Data Visualization
- Machine Learning
- Algorithms
- Discrete Mathematics

ACHIEVEMENTS

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