



**PINTU KUMAR**  
RESEARCH SCHOLAR  
IEOR, IIT BOMBAY

## CONTACT

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PhD lab, IEOR building,  
IIT Bombay, Powai,  
Mumbai-400076

## PROGRAMMING SKILLS

C • C++ • Python • Matlab •  
Mathematica • Scilab

## ACTIVITIES AND INTERESTS

Badminton • Web Surfing  
• Food

## MY ACADEMIC JOURNEY

### SCHOOLING, CBSE

X – 2012(CGPA - 9.8), XII – 2014(92.8%)

Venkateshwar International School, Sec-10, Dwarka, New Delhi

### B.SC.(H) MATHEMATICS, UNIVERSITY OF DELHI

2014-17, 83.73%

Motilal Nehru College, Delhi

- **MAY 15 – OCT 16**, Part of Innovation Project (MNC 302) funded project titled “Socio-Economic Survey of students migrating to Delhi for undergraduate study in Delhi University”
- **MARCH 17**, Qualified Joint Admission Test 2017 in subjects Mathematics and Mathematical Statistics

### M.SC. MATHEMATICS, IIT JODHPUR

2017-19, CGPA-9.44/10

Indian Institute of Technology Jodhpur, Karwar, Jodhpur

- **AUG 17 – DEC 17**, Perfect 10 CGPA in first semester
- **DEC 17 and MAY 18**, Received two Certificate of Academic Distinction from IIT Jodhpur for securing highest marks in first semester and 1<sup>st</sup> and 2<sup>nd</sup> Semester in batch of M.Sc. Mathematics.
- **21 MAY 18 – 16 JUNE 18**, Attended “Training program in Mathematics” at NISER, Bhubaneshwar and was awarded with “Outstanding” grade.
- **JUNE 18**, Qualified **CSIR-JRF** with rank of 96 in Mathematical Science.
- **DEC 18 - MARCH 19**, Attended workshops like NCDCE and NWIMI at IITJ, workshop on “Finite Field and Galois Theory” at NASI Praygraj.
- **JULY 18 - MAY 19**, M.Sc. thesis on topic “Dynamics of S-Unimodal maps” under guidance of Dr. V.V.M.S. Chandramouli.
- **MARCH 19**, Qualified GATE 2019 in Mathematics.
- **Silver Medal at IITJ**, for securing highest marks among all students of M.Sc. Mathematics 2017-19 batch

### PhD IEOR, IIT BOMBAY

JAN 2020 - PRESENT, CGPA – 9.02/10

Indian Institute of Technology Bombay, Powai, Mumbai

- **AUG 20 – DEC 20**, Course Projects on following topics: “Topological Data Analysis”, “Graph embedding that preserves structural information as well as information cascade”, “CGDL- an extension of Variational Autoencoder useful in case of open set recognition”.
- **AUG 20 – DEC 20**, Seminar on topic “Graph Node Embedding” under the guidance of Prof. N Hemachandra
- **MAY 2021** – Selected as PMRF.
- **JAN 2021 – Present** Working on problem related to dimensionality of graph node embedding and influential set completion for hypergraphs.