
EDUCATION

Indian Institute of Science*PhD in Computational and Data Sciences*

Bangalore, India

*Oct 2020 – Present***National Institute of Technology***Bachelor of Technology (Hons) in Mechanical Engineering*

Raipur, India

July 2016 – July 2020

HONORS AND AWARDS

Winner National HPC Hackathon 2021. (Awarded AWS credits worth 10,000 USD)

Organised by Intel India and AWS in association with Govt. of India.

JOURNAL PUBLICATION

JCB 2023 Gap-Sensitive Co-Linear Chaining Algorithms for Acyclic Pangenome Graphs (Invited paper, RECOMB 2023 extended version).

REFEREED CONFERENCE PUBLICATIONS

RECOMB 2023 Sequence to graph alignment using gap-sensitive co-linear chaining.**Ghanshyam Chandra** and Chirag Jain, Research in Computational Molecular Biology. RECOMB 2023.

doi.org/10.1007/978-3-031-29119-7_4

WABI 2023 Co-linear Chaining on General Graphs.Jyotshna Rajput, **Ghanshyam Chandra** and Chirag Jain, Workshop on Algorithms in Bioinformatics. (To appear in WABI 2023).

TEACHING AND MENTORING

Introduction to Scalable Systems 2022 (DS221) Tutorials on Data Structure and Algorithms with C++.**Introduction to Scalable Systems 2021 (DS221)** Tutorials on Data Structure and Algorithms with C++.

TALKS

2023 Sequence to graph alignment using gap-sensitive co-linear chaining.

RECOMB 2023, Istanbul Turkey.

2023 A Scalable Algorithm for sequence to graph alignment.

EECS 2023, IISc Bangalore, India.

POSTER PRESENTATION

2023 Minichain: A New Method for Pangenome Graph Construction.

RECOMB-Seq 2023, Istanbul Turkey.

2022 Scaling sequence-to-DAG alignment with parameterized gap-sensitive co-linear chaining algorithms.

HiPC 2022, Bangalore, India.

REFERENCES

- **Dr. Chirag Jain**, Computational and Data Sciences, Indian Institute of Science, Bengaluru, India
Contact: chirag@iisc.ac.in