
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.

Ghanshyam Chandra and Chirag Jain. Journal of Computational Biology. (Invited paper, RECOMB'23 extended version)

REFEREED CONFERENCE PUBLICATIONS

- **RECOMB 2023**

Sequence to Graph Alignment Using Gap-Sensitive Co-linear Chaining.

Ghanshyam Chandra and Chirag Jain. International Conference on Research in Computational Molecular Biology. (acceptance rate: 20%) 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 Symposium 2023, IISc Bangalore, India.

POSTER PRESENTATION

- **RECOMB-Seq 2023**

Minichain: A New Method for Pangenome Graph Construction.

Ghanshyam Chandra and Chirag Jain. RECOMB Satellite Conference on Biological Sequence Analysis.
RECOMB-Seq 2023, Istanbul, Turkey.

- **HiPC 2022**

Scaling Sequence to DAG Alignment With Parameterized Gap-Sensitive Co-linear Chaining Algorithms.
Ghanshyam Chandra and Chirag Jain. IEEE International Conference on High Performance Computing, Data, and Analytics. HiPC 2022, Bangalore, India.

FELLOWSHIPS

- **Kotak IISc AI-ML Center Fellowship**

- **RECOMB 2023 Travel Fellowship**

REFERENCES

- **Dr. Chirag Jain**, Computational and Data Sciences, Indian Institute of Science, Bangalore, India
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