

Ghanshyam Chandra

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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.

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/10.1007/978-3-031-29119-7₄

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
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