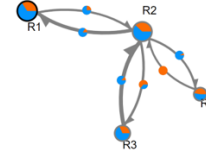
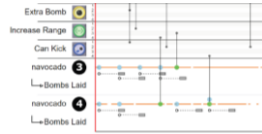
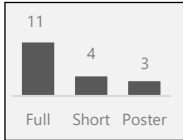




Research Projects

My research is about **data visualization, game analytics, and artificial intelligence (AI)**. Generally, I am interested in finding effective visual representations of the data, enabling the exploration of patterns and valuable insights.

- I have contributed to the research field by publishing **18 peer-reviewed publications** and presenting them at various conferences. In first-authored articles, I lead the research projects. For example:



- I instantiated my research interests in a **PhD Dissertation (magna cum laude)** titled, "*Exploring Complex Group Dynamics: Visual Analysis of Overlapping Groups and Interactions Over Time*".
- I actively provide service to the community and have contributed as a **program committee** member (IEEE VIS – short paper), **student volunteer** (ACM CHI Play, IEEE VIS, and EuroVis), and **external reviewer** (CHI, CHI Play, IEEE VIS).
- I am also working towards building a visualization research community in India: **VisInBharat**.



Work Experience

2022 – present	Research Assistant	University of Bamberg, Germany
2017 – 2022	Research Assistant	University of Duisburg-Essen, Germany
2015 – 2017	Software Engineer	IIIT Bangalore, India
2011 – 2013	Systems Engineer	Infosys Ltd.

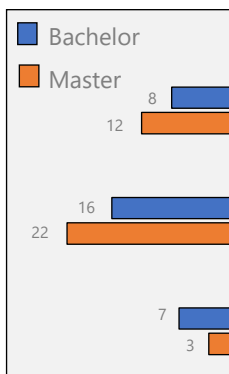


Awards

- NeurIPS 2020's Flatland competition:** First prize in community contribution category visualizing smart train scheduling.
- VMV 2020:** Best paper award.
- NeurIPS 2019's Pommerman competition:** Community Award to visualize the collaboration and competition among trained AI agents.



Supervision and Management



During PhD, I had exciting and challenging opportunities of supervision and management.

Theses: Supervised student theses for 3 months (**Bachelor**) or 6 months (**Master**) on data visualization related topics.

Projects: Actively designed and supervised student projects, mostly to build prototypes and gain insights from data.

Courses and Seminars: Managed different courses as a teaching assistant and designed seminars on challenging but interesting topics.



Technologies

- Web:** Vue.js, D3.js, HTML, JavaScript, and CSS
- Programming Languages:** Python, R, Java, and C
- Tools:** Tableau, Computational Notebooks
- Database:** SQL



Miscellaneous

- Languages:** English, Hindi, German (A1), and Sanskrit (Learning).
- Hobbies:** Cooking and creating digital story books.



Education

2017 – 2023	PhD (Visual Analytics)	University of Duisburg-Essen, Germany
2013 – 2015	Masters (Information Technology)	IIIT Bangalore, India
2007 – 2011	Bachelors (Computer Science)	United College of Engineering & Research, India.

sets
timeline
groupdynamics
interactions
graphs
collaboration
explainableAI
dynamic

A word cloud visualization of keywords from my research articles (size encodes frequency).