

Nikhil Prakash

Khoury College of Computer Sciences
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Research Interests

I'm interested in the interpretability of large language models for developing better Human-AI collaboration techniques.

Education

Sept 2022–Present **Ph.D.**, *Northeastern University*, Boston, Massachusetts.
Computer Science, Bau Lab
Advisor: Prof. David Bau 🔗

Aug 2016– Aug 2020 **Bachelor of Eng.**, *RV College of Eng.*, Bangalore, India
Department of Telecommunication
Cumulative GPA: 8.31/10 (First Class with Distinction)

Peer-Reviewed Publications

IUI 2023 (under review) **Supporting Requesters in Writing Clear Crowdsourcing Task Descriptions Through Computational Flaw Assessment**
Zahra Nouri, [Nikhil Prakash](#), Ujwal Gadiraju, Henning Wachsmuth
Intelligent User Interfaces 2023.

HCOMP 2021 **iClarify – A Tool to Help Requesters Iteratively Improve Task Descriptions in Crowdsourcing** 🔗
Zahra Nouri, [Nikhil Prakash](#), Ujwal Gadiraju, Henning Wachsmuth
Work-in-Progress & Demonstration, Human Computation and Crowdsourcing 2021.

NeurIPS 2020 **Conceptualization and Framework of Hybrid Intelligence Systems** 🔗
[Nikhil Prakash](#) and Kory W. Mathewson
Human And Machine in-the-Loop Evaluation and Learning Strategies Workshop, Neural Information Processing Systems 2020.

COMSNETS 2019 **A Grid-based Model for Generating Scale-Free Networks** 🔗
Amit Kumar Verma and [Nikhil Prakash](#)
Social Networking Workshop, Conference on Communication Systems & Networks 2019.

Work Experience

Jan–Aug 2022 **Max Planck Institute for Security and Privacy (MPI-SP)**, *Visiting Scholar*
Worked under the supervision of Prof. Asia J. Biega 🔗 to conduct exploratory user studies for investigating well-being of microtask crowdworkers.
In preparation for CSCW 2023

- May 2021–Sept 2022 **Delft University of Technology (TU Delft)**, *Research Assistance (Voluntary)*
 Worked under the supervision of Prof. Ujwal Gadiraju and Prof. Henning Wachsmuth, to develop an assistive tool that would help crowdsourcing requesters in creating clear task descriptions quickly.
- Sept 2020–Jan 2022 **Accolite Software India**, *Senior Software Engineer*
 Worked as full-stack engineer to design, develop, and maintain complex production-ready web applications. Primary technology stack was Angular, Java, and IBM DB2.
- Jan–May 2020 & June–Aug 2019 **Korea Advanced Institute of Science and Technology (KAIST)**, *Visiting Student Researcher*
 Worked under the supervision of Prof. Juho Kim to develop an intelligent interactive system for personalizing food recipes based on users' preferences and dietary constraints.
- May–June 2019 **Samsung R&D Institute India - Bangalore**, *Student Trainee*
 Worked as a student trainee at Samsung Research, Bangalore (SRIB) in the Service PF team to design and develop the offline newsfeed functionality in the Samsung Internet.
- June–July 2018 **Indian Institute of Technology, Ropar (IIT Ropar)**, *Research Intern*
 Worked under the supervision of Prof. Sudarshan Iyengar to investigate the dynamics of collaboration process on English Wikipedia.

Fellowships and Awards

- 2022 Khoury College of Computer Sciences start-up fund worth \$5k.
- 2022 Northeastern Graduate Fellowship worth \$83k (per year).
- 2020 NeurIPS complimentary registration (Travel Award) worth \$100.
- 2020 ACM CoDS-COMAD Student Travel Grant worth \$80.

Engineering Skills

- Languages Python, C++, Java, JavaScript, HTML, CSS, SQL
- Technologies & Frameworks PyTorch, Transformers, Scikit-learn, NLTK, Pandas, Numpy, Matplotlib, Angular, Bootstrap, jQuery, D3, Jasmine, Docker, Linux

Voluntary Services

- 2022 Student volunteer at Ph.D. Admissions Committee to review prospective Ph.D. student applications.
- 2022 Ph.D. student volunteer at the Idealist Grad School Fair, Boston for assisting prospective students to Khoury College of Computer Sciences.
- 2019 Student volunteer at India HCI.