

Contact

www.linkedin.com/in/parthapratimtalukdar (LinkedIn)
parthatalukdar.github.io (Personal)

Top Skills

Machine Learning
Text Mining
Natural Language Processing

Partha Talukdar

Principal Research Scientist and Director, Google DeepMind
Bengaluru, Karnataka, India

Summary

Leading the Languages group at Google DeepMind, India, and serving as a Lead in Gemini Multilinguality. Our goal is to make sure Gemini and AI benefit all of humanity while ensuring language and cultural differences are not barriers anymore. (We are hiring)

My group works on all aspects of LLM development (e.g., pretraining, posttraining, evaluations, etc) and our work has improved multilingual performance of Gemini models (2.0+). We have also enhanced various Google products such as Gemini App, Assistant, Search, etc. My group also made foundational contributions to Google Translate's largest expansion of 110 languages representing more than 600 million speakers.

We believe in advancing the field by publishing our research as well by contributing datasets (e.g., Vaani (vaani.iisc.ac.in) in collaboration with IISc) and models (e.g., MuRIL) to the ecosystem.

My recent research has focused on multilingual and multimodal learning, learning in low-resource settings, and multicultural learning -- all in the context of LLMs.

Previously, I founded KENOME to help enterprises make sense of dark unstructured data using Knowledge Graphs. I was also a faculty member at IISc Bangalore working on NLP, ML and Knowledge Graphs.

Experience

Google DeepMind
1 year 3 months

Principal Research Scientist and Director
March 2025 - Present (5 months)
Bengaluru, Karnataka, India

Senior Staff Research Scientist
May 2024 - February 2025 (10 months)
Bengaluru, Karnataka, India

Indian Institute of Science - IISc
10 years 10 months

Associate Professor
December 2019 - April 2025 (5 years 5 months)
Bengaluru, Karnataka, India

On leave of absence during Apr 2020 - Apr 2025.

Assistant Professor
July 2014 - December 2019 (5 years 6 months)

Google Research
4 years 2 months

Senior Staff Research Scientist
November 2022 - May 2024 (1 year 7 months)
Bengaluru, Karnataka, India

Staff Research Scientist
April 2020 - October 2022 (2 years 7 months)
Bengaluru, Karnataka, India

KENOME
Founder
September 2017 - March 2020 (2 years 7 months)
Bangalore

As of Mar 31, 2020, KENOME has ceased customer engagements.

Kenome is a core AI company helping enterprises make sense of dark data using cutting-edge Machine Learning, NLP, and Knowledge Graphs. Visit <http://kenome.io> to learn more.

Carnegie Mellon University
Post Doctoral Fellow, Machine Learning Department
May 2011 - May 2014 (3 years 1 month)
Pittsburgh, PA

Mentor: Tom Mitchell

Search Labs, Microsoft Research

Visiting Research Scientist
March 2010 - March 2011 (1 year 1 month)

Google
Research Intern (2005, 2006, 2008)
May 2008 - December 2008 (8 months)

Linguistic Data Consortium
Research Fellow
January 2007 - May 2007 (5 months)

Hewlett-Packard Laboratories
Research Engineer (on contract)
July 2003 - June 2004 (1 year)

Indian Institute of Science
Fellowship Student
June 2002 - August 2002 (3 months)

Education

University of Pennsylvania
PhD, Computer & Information Science · (2004 - 2010)

University of Pennsylvania
MSE, CIS · (2004 - 2005)

Birla Institute of Technology and Science, Pilani
B.E. (Hons.), Computer Science · (1999 - 2003)