

## Contact

[www.linkedin.com/in/bhaweshiitk](https://www.linkedin.com/in/bhaweshiitk)  
(LinkedIn)

## Top Skills

Computer Science  
Bioinformatics  
Machine Learning

## Languages

English (Native or Bilingual)  
Hindi (Native or Bilingual)  
Bangla (Limited Working)  
Sanskrit (Limited Working)  
Magahi (Native or Bilingual)

## Certifications

R Programming Track  
Micromasters in Statistics and Data Science (Dropped Out)  
Introduction to Genetics and Evolution  
18.6501x: Fundamentals of Statistics  
6.86x: Machine Learning with Python-From Linear Models to Deep Learning

## Honors-Awards

Fellow, Kishore Vaigyanik Protsahan Yojana (KVPY)  
National Top 1 % in Physics Olympiad  
National Top 1% in Astronomy Olympiad  
Inspire Fellowship  
Ranked 21 in Regional Mathematics Olympiad (RMO), Rajasthan, India

## Publications

Towards Reliable Zero Shot Classification in Self-Supervised Models with Conformal Prediction

# Bhawesh Kumar

Health Data Science @ Harvard | IIT Kanpur  
Cambridge, Massachusetts, United States

## Summary

I am actively seeking full-time Machine Learning and Data Science opportunities starting in late June.

I am a Master's student in the Health Data Science program at Harvard University, where I also serve as a Teaching Fellow at Harvard Chan and a Research Assistant in the Beamlab.

I am broadly interested in machine learning for medicine. My recent research has been on uncertainty quantification for robust and safe medical machine learning and the clinical capabilities of large language models. In all my research, the central goal is to create a meaningful impact on patient care.

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## Experience

Harvard T.H. Chan School of Public Health  
Graduate Teaching Fellow  
March 2023 - Present (2 months)  
Boston, Massachusetts, United States

Teaching Fellow for Deep Learning Class

Harvard University  
Research Assistant  
August 2022 - Present (9 months)  
Boston, Massachusetts, United States

Research Assistant in the Beamlab (working under the supervision of Prof. Andrew Beam) studying uncertainty quantification in Machine Learning

Dana-Farber Cancer Institute  
Machine Learning Scientist  
December 2022 - March 2023 (4 months)  
Boston, Massachusetts, United States

CVS Health

Transformer models for massive laboratory datasets in electronic health records

Assessment of ChatGPT  
Anaesthesiology-Specialty Medical Knowledge on Anaesthesiology Board Examination Practice Questions

An Observational Study of Fluid Removal Rates and Mortality in Patients with Elevated Lactate Dehydrogenase on Continuous Renal Replacement Therapy

Assessment of ChatGPT on Practice Questions for the Neonatal Board Examination

Graduate Data Science Intern  
June 2022 - August 2022 (3 months)  
New York, United States

I worked on identifying campaign sequences useful in member retention in the Medicare segment. My work resulted in insights that will inform campaign design in coming years at Aetna/CVS Health.

Guavus  
Senior Data Scientist  
November 2020 - August 2021 (10 months)  
India

Built a churn prediction model for a major telecom service provider that is able to predict ~50% of churners in top 5% of at-risk subscribers. Awarded Achiever's League Award for outstanding contribution to the project.

Citi  
Data Scientist  
July 2018 - November 2020 (2 years 5 months)  
Pune

Built a machine learning model for predicting trade failures during the trade settlement process. The model helps front office traders identify reasons for trade fails and act early on potential fails. This, in turn, results in reducing trade failures, thus, avoiding penalties and reputational loss incurred due to trade settlement failure. Received Platinum Award for outstanding contributions for conceiving as well as leading the project to fruition.

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## Education

Harvard University  
SM, Health Data Science · (August 2021 - May 2023)

Massachusetts Institute of Technology  
Cross Registered Student, Course 6 (Computer Science ) and Course 20 (Biological Engineering) · (January 2022 - May 2023)

Indian Institute of Technology, Kanpur  
Bachelor of Technology - BTech, Electrical Engineering · (2014 - 2018)

Adarsh Gyanoday Vidyalay, Barh (Patna)

AISSCE (Class XII), Physics, Chemistry, Mathematics, English and Physical Education · (2012 - 2014)

Ramakrishna Mission Vidyapith, Deoghar

AISSE (Class X), High School · (2007 - 2012)