

# Hriday Bharat Thakkar

Bangalore, INDIA (Bharat)

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## PROFILE

- Saving the Planet from Catastrophic Risks arising from Climate Change and Advanced-AI
- Designing and Governing systems that are safe, sustainable, and aligned with both Humanity and Our Planet
- Achieving Mission SEV: Save Environment, and Making AI Safe, Governable, Ethical and Sustainable and Making AI Go Well for #AllEarthians
- #SaveThePlanet #AchieveNetZero #MissionSEV #PlanetForTheUn-BornGenerations

## EDUCATION

### Bachelor of Science in Applied Mathematics (Emphasis in Data Science)

San Francisco State University, San Francisco, California

Graduation Term: May 2022

### Associate of Arts in Economics

Foothill College, Los Altos Hills, California

September 2011 – May 2013

## PROFESSIONAL EXPERIENCE

### Founder, CEO and Independent AI Auditor

AIX Networks [ 'AIX' ]

*September 2025 - present*  
Bengaluru, India

- AIX was founded to Make AI Safe, Ethical and Sustainable and Make AI Go Well for #All Earthians by offering Independent AI Audits and Verification (and much more) of the highest professional levels of integrity, rigor and neutrality
- <https://www.aix.net.in>

### Founder and Convener

International Coalition of Pro-Planet People, Policies and Practices (ICOPPP)

*September 2025 - present*  
Bengaluru, India

- ICOPPP is an international environmental coalition in-the-making founded to 'Unite Earth. For the Planet. For the Un-Born Gen.' and steer and strengthen the World to solve the Triple Planetary Crisis (UNEP) of climate change, pollution and waste, and nature and biodiversity loss, and ensure environmental-sustainability for many ages to come.
- To-be-launched on World Environment Day, 2026. First Convention to take place in Bengaluru, India.
- <https://www.icoppp.org>

### Co-Founder and Convener

i47

*September 2025 - present*  
Bengaluru, India

- i47 is an Annual National Conclave to mark the milestones of India in 2047, and beyond; and more.
- The first meeting will take place in Bangalore on India's Republic Day on January 26th, 2026
- <https://www.i47.org.in> [website coming soon]

### Founder

AndEnvironment (AE)

*September 2025 - present*  
Bengaluru, India

- AndEnvironment (AE) strives 'to make our Environment the lodestar of everything we think, do and feel in the 21st Century.'
- AE is an umbrella environmental-sustainability organization embracing policy, lobbying, advocacy, science, technology and innovation, and education and awareness aiming to achieve Mission SEV: Save Environment by 2030;
- AE also serves as a global environmental watchdog to achieve SEV and Save the Planet from Catastrophic Risks arising from Climate Change.
- <https://www.andenvironment.org> [website coming soon]

### Founder and CEO

CliMath

*December 2025 - present*  
Bengaluru, India

- CliMath Foundation, CliMath Global Institute, and CliMath Inc.
- CliMath's vision is to build and advance the mathematical and scientific foundations of long-term "Planetary Safety" for a long, flourishing life on Our One and Only Home, Planet Earth, for all #Earthians.
- CliMath is on a mission to advance mathematics and AI to De-Risk the Climate, Accelerate Net-Zero by 10-15 years, and Achieve Mission SEV: Save Environment - to Save our Planet from potential catastrophic and existential risks arising from Climate Change and Frontier/Advanced-AI.
- The First "Global CliMath Conclave" will take place sometime in 2026 or early 2027. Stay tuned in!
- <https://www.climath.in>

**Founder and CEO.**

BPX.ONE

- One World | One Market | One Source | BPX.ONE |
- World's #1 Global Sourcing Platform and World's Largest Global Digital Marketplace for All things 'Bio-Based'
- <https://www.bpx.one> [website coming soon]

December 2025 - present

Bengaluru, India

**Co-Founder and Promoter**

BIOPLASTEX India

April 2019 - present

Bengaluru, India

- Reached out to over 5000 companies worldwide, acquired speakers for the conference, and managed client relations. Assisted with the conference section of the event and the overall event to ensure it goes smoothly and as planned.
- Organized four editions of India's Flagship international trade show and conference in 2021 (virtual), 2022, 2023 and 2025 in the field of bioplastics, bio-based materials, and sustainable materials and packaging, and more.
- <https://www.bioplastex.com>

**Data Science Intern**

Manthan Systems

March 2017 – April 2017

Bengaluru, India

- Researched the theory of deep learning and the problem of classification of an imbalanced dataset.
- Implemented and tested deep learning models using libraries in R to classify an imbalanced dataset with the objective of outperforming the existing Random Forest model.

**Mathematics Tutor and Grader**

Mathematics Department, San Francisco State University

September 2016 – November 2016

San Francisco, California

- Assisted students in excelling in concepts related to trigonometry, pre-calculus, single-variable calculus and business calculus.
- Assisted a mathematics professor with grading for her Calculus II course.

**Research Associate**

Mathematics Department, Minot State University

September 2014 – December 2015

Minot, North Dakota

- Worked under Dr. Narayan Thapa to conduct preliminary research on the topics concerning application of artificial neural networks as data mining tools in astronomy, biologically inspired algorithms in neuroscience and artificial intelligence, and numerical analysis of finite difference methods to solve the linear Black-Scholes option pricing model.
- Presented a preliminary report on the above topics at several gatherings including the AMS/MAA Joint Mathematics Meeting, San Antonio (2015), MAA MathFest, Washington D.C. (2015), and Minot State University's monthly Math Talk Series.

*Highlights:* Presented with the Outstanding Presentation Award at MAA MathFest 2015, a national mathematics conference, for preliminary findings on the topic of numerical analysis of finite difference methods to solve the linear Black-Scholes option pricing model.

**Mathematics Tutor**

Mathematics Department, Minot State University

January 2015 – March 2016

Minot, North Dakota

- Assisted individual and group of students in excelling in concepts related to elementary statistics, trigonometry, algebra, pre-calculus and single-variable calculus.
- Conducted 1 hour long preparatory sessions for students in linear algebra and calculus II prior to commencement of spring 2015 classes.

**Data Analyst and Public Relations Intern**

Communications Department, Accion East Microfinance

January 2014 - March 2014

New York, New York

- Created monthly reports to demonstrate effectiveness of the department's marketing efforts and drive content strategy, using insights from email marketing and web traffic statistics.
- Filmed and edited a Kickstarter video, and wrote compelling narratives for Accion's Kiva clients.
- Created and executed Facebook and Twitter campaigns for Women's History Month, Accion's Kiva program and the findings of a benchmark study on impact of microfinance on small businesses.

**Kenya Country Liaison Intern**

Zidisha Inc. (Y-Combinator Microfinance Start Up)

October 2013 – March 2014

Virtual Internship

- Served as the Volunteer Mentor Coordinator for Zidisha's Kenyan clients by processing loan applications, conducting phone interviews, posting payments, and coordinating the Volunteer Mentors' tasks.

**Strategic Planning Intern**

Economics Special Projects, Foothill College

January 2013 - March 2013

Los Altos Hills, California

- Worked with former MIT Physicist and Foothill College faculty to design a unique platform, Econ 36, for students

- to take up real-world projects in rural development and social entrepreneurship.
- Researched and reached out to NGOs worldwide, set up meetings between students and representatives of NGOs, and assisted students in carrying out the projects.

*Highlights:* Launched the class in Foothill College for the first time and established 7 partnerships with organizations for students to work with.

#### **Student Coordinator**

Foothill Entrepreneur Center, Foothill College

*September 2012 – June 2013*  
Los Altos Hills, California

- Boosted volunteer enrollment by ensuring a professional working environment and forming strong relationships with other clubs and organizations on campus.
- Acquired \$8000 from the Student Government and co-hosted the 7<sup>th</sup> Annual Regional Business Plan Competition.

#### **Mathematics, Economics and English Tutor**

Extended Opportunity for Students (EOPS), Foothill College

*October 2012 – June 2013*  
Los Altos Hills, California

- Tutored students with concepts related to pre-calculus, calculus, elementary statistics, and economics (macroeconomics and microeconomics).
- Assisted English-as-Second-Language (ESL) students with grammar and essay-writing skills.

#### **Microfinance Intern**

Kasimu Education Fund (KEF), Mountain View, California

*June 2012 - August 2012*  
Malawi, Africa

- Spent 3 months in Malawi, Africa – conducting research on the impact of microfinance on farmers and entrepreneurs in the region of Kasimu, Malawi.
- Interviewed clients and program managers of KEF; structured and conducted a 3-week computer training course to the teachers of an elementary school.
- Acquired funding to expand the microloan program and established two new groups of 18 entrepreneurs.

*Highlights:* Appointed to the Board of Members, in recognition of work in resolving the communication barrier between the management in Malawi and USA by empowering teachers of KEF School with computer and internet- skills.

#### **Mathematics Teaching Assistant**

Mathematics Department, Foothill College

*January 2012 – December 2012*  
Los Altos Hills, California

- Assisted the teacher in class with concepts related to pre-algebra.

#### **Police Student Aide**

Foothill Police Department, Foothill College

*September 2011 – March 2012*  
Los Altos Hills, California

- Enforced parking regulations on campus by issuing parking tickets.
- Collected fingerprints and information from prospective Foothill College employees for the purpose of carrying out background checks and clearance.

### **LEADERSHIP ACTIVITIES**

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#### **Founder, Mathematics Club**, San Francisco State University

*Spring 2018*

- Co-organized the first introductory meeting and created the initial draft of the constitution

#### **President, Microcredit Club**, Foothill College

*September 2012 – June 2013*

- Made loans via Kiva.org, moderated meetings and encourage out-of-the-box thinking among members.
- Organized two successful fundraisers and initiated the “Global Poverty Debate Series” – the first debate being on the topic “Is Microcredit an Effective Tool to Combat Poverty?”

*Highlights:* 2012-13 recognized as the best year in club history, and invited to Stanford Human Rights Conference to present the success of the club.

#### **President & Co-Founder, Entrepreneur Club**, Foothill College

*September 2012 – June 2013*

- Co-founded the club for students to gain practical experience in Silicon Valley’s start-ups and to support budding Foothill entrepreneurs in launching businesses.
- Collaborated with the Business Club to initiate the “Entrepreneurship Speaker Series,” and attended several networking events like the Churchill Club meetings, and Biz World Foundation Awards Dinner, to invite guest speakers.

*Highlights:* Hosted 5 guest speaker events, leading to 4 students bagging internships for speakers’ organizations; Finalist – 6<sup>th</sup> Annual Regional Business Plan Competition – for business plan on food delivery service for students.

### **ACADEMIC TALKS**

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- ‘On the Numerical Solution of Black-Scholes Option Pricing Model’ – Student Paper Sessions., MAA MathFest

2015 - August 7, 2015

- 'On the Numerical Solution of Black-Scholes Option Pricing Model' – Monthly Math Talk Series, Minot State University – Spring 2015
- 'Mathematics and The Brain: Some Cool Neurobiologically Inspired Algorithms in Neuroscience and Artificial Intelligence' - Math Talk Series, Minot State University - February 26, 2015
- 'A Study of Artificial Neural Network Techniques Used to Mine Data in Astronomy' –Session on Mathematical Physics, Joint Mathematics Meeting 2015 - Abstract number: 1106-85-1723 - January 10, 2015
- 'A Study of Artificial Neural Network Techniques Used to Mine Data in Astronomy' - MSU Faculty Research Poster Presentation, Minot State University – April 10, 2015
- 'The Impact of Microfinance in Elevating Poverty - A Student's Perspective' - 2013 Stanford Human Rights Conference
- 'The State of Microfinance in Malawi: What I Learned While Working with Underserved Entrepreneurs in Malawi' - Los Altos Hills City Council, CA, October 10, 2013

## ACADEMIC AWARDS AND RECOGNITION

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- C.Y. Chow Math Scholarship – San Francisco State University, California, Fall 2017
- Outstanding Presentation Award – MAA MathFest, Washington D.C., August 5-8, 2015
- Gordon R. Olson Applied Math Scholarship, Minot State University, North Dakota, Fall 2015
- Student Travel Grant for the Joint Mathematics Meeting 2015 from the National Science Foundation/Mathematics Association of America, 2015
- 2013 Award for Excellence in Economics, Foothill College, California

## RESEARCH PROJECTS

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*A Study of Artificial Neural Networks to Mine Big Data in Astronomy*

*Some Cool Neuro-biologically Inspired Algorithms in Neuroscience and Artificial Intelligence*

*On the Numerical Solution of Black-Scholes Option Pricing Model*

*Bachelor's Senior Thesis on Examples of Interval-vector Polytopes*

## DATA SCIENCE PROJECTS

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*Classification of an Imbalanced Dataset in International Security*

*Predicting the Sales Price of a House in Bengaluru*

*Optimising a Recommender System on Amazon's Meta-Data*

## MEMBERSHIP

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- American Mathematical Society – 2014-2015
- Mathematical Association of America - 2014-2015
- SIGMAA Philosophy of Mathematics, MAA - 2014-2015
- Organization of Computational Neurosciences – 2014-2015

## PROGRAMMING LANGUAGES

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- Python, R, C++, MATLAB, LaTeX