

YESODA BHARGAVA
Senior Lead Engineer, Health and Fitness Department,
Samsung Research and Development, Bangalore, Karnataka, INDIA
Phone: +91-740-607-3780
yesodabhargava@gmail.com
<https://vesodabhargava.com/>

EDUCATION

- 1998 - 2009 **CRPF Public School**
Schooling 1st to 12th class
10th class %: 92.80 %
12th class %: 95.60%.
- 2009 - 2014 **Atal Bihari Vajpayee Indian Institute of Information Technology and Management**
IPG (Integrated Post Graduate: Bachelors and Masters) in Information Technology
CGPA: 8.7/10

PROFESSIONAL AND RESEARCH EXPERIENCE

- 2014-Present **Samsung Research & Development Institute, Bangalore (SRI-B)**
- Lead Engineer in Health Services Domain. Team: Health & Fitness.
 - Currently, involved in analyzing fitness app data (Samsung Health) at client side.
- 2018-Present **Visiting Lecturer**
I am a visiting lecturer to Indian Institute of Information technology ([IIIT](#)), Pune. I teach a course on Innovation (CODE HS 16001). I do not take any salary or any sort of honorarium for my teaching at IIIT Pune. Please find an elaborate explanation of my wonderful experience here. I also serve as an Industry Representative for the Institution's Innovation Council (IIC).
- 2016-Present **Research Assistant**
- University: Azim Premji University
 - Supervisor: Stefi Berna
 - I assisted Stefi and her team (University of Bergen, Norway) in developing an online course on Climate Change and Health for European students as part of Medical Peace Work. In addition I also helped in assessing this course and transcribing the videos. Link: <https://www.futurelearn.com/courses/medical-peace-work>
 - New project: Currently working on creating three separate courses on Health and Climate Change, Domestic Violence and Nuclear War on [Eliademy](#).

I do not take any salary or honorarium for my work as an RA to Prof. Berna. I enjoy working and learning with her. This has also given me opportunities to meet and interact with foreign students who work with Prof. Berna.

MENTORING EXPERIENCE

- May 2015-July 2015 **Samsung Research Institute, Health & Fitness Division**
Mentor, Supervisor and Instructor to two interns at office. Worked on Natural Language Processing, Bayesian Models, Naïve Bayes to mine the health documents to generate insights most relevant to the user of mobile health app.
- 2015-2016 **ABV IITM, Soft Computing Lab**
Thesis guide to a student under Professor Anupam Shukla. Analyzed BRFSS data for understanding the relationship between binge drinking, physical activity and risk of diabetes. Software used: STATA. Student name: Saumya Choudhary.
- 2016- 2017 **ABV IITM, Soft Computing Lab**
Mentor, Supervisor and Thesis guide to a student under Professor Anupam Shukla. Used Deep Learning models to estimate the air pollutants. Student name: Annu Sachan.

PEER REVIEWED PUBLICATIONS

- In-Process**
- 2018 **Effect of strength training on the risk of diabetes: A cross-sectional study.** (Currently working with Dr. Ajit Bopardikar)
- 2018 Srinivas Rao, Amit Kumar, **Yesoda Bhargava**, Pankaj Kumar Das. **AREML: Angina Risk Estimation using Machine Learning.** (Role as Advisor). [Under review]
- 2018 **Yesoda Bhargava**, Javaid Nabi. **Insights from the analysis of Walking Data from Fitness App.** [Under review at IEEE Big Data Conference 2018].
- 2018 Yesoda Bhargava. **Understanding Diabetes Diagnosis Age among US Population: A data analysis approach to demographical differences.** 11th International Conference on Healthcare Systems and Global Business Issues. Under print. [2018]
- Published**
- 2017 **Yesoda Bhargava**, Raj Roy. **HWBI: Health and Well-Being Index. A neural network approach based Index which quantifies the cumulative impact of lifestyle habits on personal health and well-being and demonstration of its application in managing the risk of diabetes.** 16th IEEE International Conference on Machine Learning and Applications. December 2017. 877-882.
- 2017 **Yesoda Bhargava**, Saumya Choudhary, Anupam Shukla, Siddhartha Arjaria. **Understanding the Relationship between Binge Drinking, Physical Activity and Diabetes.** The International Journal of Health, Wellness and Society. Volume 7. Issue 3. Year 2017. (Role as Mentor & Advisor)
- 2016-2017 Annu Sachan, **Yesoda Bhargava**, Anupam Shukla. **Deep Learning Model for Real Time Prediction of Pollutants in Air.** In Proceedings of International Journal of Electrical, electronics and Computer Science. Recent applications and Trends in Modern Engineering. Grenze ID: 02.RATME.2018.1.511. (Role as Mentor & Advisor)
- 2017 **Yesoda Bhargava.** **Studying the inter-relationship between Mental Health, Diabetes and Health Care Affordability among Sexual Minorities.** Presented at the 15th Annual Conference of Indian Association for Social Sciences and Health on Health, Gender and Rural Development: Research, Practice and Policy in November 2017.
- 2017 **Yesoda Bhargava.** **Towards empowerment and autonomy of differently abled person: Need for professional community based exercise physiologists in India.** Presented at International Conference on Dis/Ability Communication in January 2017.
- 2016 **Yesoda Bhargava**, Anshika Singh. **Domestic Violence to domestic independence: A study of factors that assist women in emancipation against perpetual domestic abuse.** Presented at 2nd International Conference on Gender and Violence conducted by RIT Foundation, India. ISBN: 987-81-931620-0-2 Page number 177.
- 2014 **Yesoda Bhargava**, Anupam Shukla. **Improved Approach to Area Exploration in an Unknown Environment by Mobile Robot Using Genetic Algorithm, Real Time Reinforcement Learning and Co-operation among the Controllers.** Digital Object Identifier (DOI) 10.3182/20140313-3-IN-3024.00251. IFAC Proceeding Volumes. Page numbers: 155-158.
- 2012 **Yesoda Bhargava**, Deepshri Gupta, Laxmidhar Behera, Anupam Shukla. **Self-Evolution of Target Tracking Behavior in Mobile Robot Using Direct Competition.** Book Title: Elsevier Science and Technology. Volume No. 7. Year 2012. Pages: 131-136.

TECHNICAL SKILLS

Programming Languages	C,C++, JAVA, Android, R, STATA, LaTeX.
Operating Systems	Linux, Windows
Web Scripting Languages	HTML, JavaScript, PHP, XML, DHTML, CSS
Databases	MySQL, SQL Server

LEADERSHIP AND SERVICE

- 2008 **Student Exchange Program, JENESYS**
Selected to visit Japan under the student exchange program JENESYS (Japan East-Asia Network for Exchange for Students and Youth) in school. Conducted by JICA (Japan International Co-operation Industry). [2008]
- 2007-2009 **Joint Secretary, Student Activity Council, ABV IITM**
- 2016-Present **Founder, Unbridled Women**
A platform to share the stories of empowerment among people, especially those of women and marginalized communities including physically challenged people. I interview women and publish their stories here. www.unbridledwomen.com
- 2016-Present **Head Editor, Health and Fitness Magazine, Samsung Research and Development.**
- 2015-Present **Captain Women's Cricket Team, Samsung Research Institute.**

AWARDS & HONORS

- 2016 Young Developer Award in Samsung Research and Development, Bangalore.
- 2014 Second prize in Research Paper Presentation Contest in Sameeksha, at National Level Techfest Infotsav, ABV IITM.
- 2009 Awarded by Director General, (Central Reserve Police Force) CRPF for excellence in academics.
- 2009 Awarded by His Honorary Shri. P. Chidambaram for excellence in academics at 15th Raising Day of CWWA (CRPF Women's Welfare Association)

EXTRACURRICULAR ACTIVITIES

- Winner women's inter-corporate Cricket Tournament.
- Worked as a writer at Entrepreneurs Mingle.
- Worked as Editor and Reviewer of Blog of B.N.Satnalika Foundation. Also collected an amount of 12,931 INR as part of my final work for the education of underprivileged youth and their education.
- Visits villages and remote areas of India to understand public health challenges.

BLOGS MAINTAINED

- [Learning From Life](#)
- [Towards a Healthy Living](#)
- [Building a New India](#)