

ISHU DHARMENDRA GARG

A Curious Mind Seeking Knowledge, Wisdom and Bliss

Entities like name of person, acronyms etc. in resume have hyperlinks and are linked to corresponding webpage

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PROFESSIONAL EXPERIENCE

Short Term Research Scholar

Place: **Machine Learning Department, Carnegie Mellon University**

Mentor: **Katerina Fragkiadaki**

May-July 2017

Pittsburgh, USA

Worked on developing unsupervised deep neural networks to determine structure and motion from video; application of which includes converting a 2d image into a 3d image

Research and Development Intern

IBM Research Lab

Mentor: **Salil Joshi**

May-July 2016

Bangalore, India

Developed a novel Machine Learning algorithm for automated event extraction from huge amounts of raw unstructured text outperforming many current techniques using Natural Language Processing.

SCHOLASTIC ACHIEVEMENTS

- Secured 16th/655 rank in **YouTube-8M Video Understanding Challenge¹** 2017 hosted by **Google** under \$2000 worth resources
- Secured 1st rank in machine learning contest conducted as a part of **Machine Learning Course 2015** at **IIT Madras**
- Placed **under top 20** students in **RMO 2011** in my home state and represented my state in **INMO 2012**
- Institute topper in first semester and got a branch change to **CSE Department** based on academic excellence
- KVPY 2012**: Secured **211st** rank (top 1%) in India
- NSEP 2013 National top 1%** and represented my state in **INPHO**
- National rank **1053/1.4M** JEE Mains 2013 & **899/150K** JEE Advance

LEADERSHIP ROLES

- Higher Education For Underrepresented**: Independent efforts to support Ramakrishna Mission in Narainpur District, helping underrepresented high school students from tribal regions of Abujmahd (Bastar, Chhattisgarh) to appear and qualify competitive exams like JEE, NEET for college admission.
- Child Nutrition and General Awareness**: I am currently working with NGO Childline India for child nutrition and education in the Rajnandgaon, Chhattisgarh, India.

POSITIONS OF RESPONSIBILITY

- Teaching Assistant**: I am a proactive teaching assistant for Computer System Design Lab Course (Aug-Nov 2017), where along with other fellow teaching assistants I plan logistics of course, design and evaluate assignments.
- Freshmen Mentor**: As a Saathi coordinator, I mentored five freshmen for a year and helped them with any difficulties (academic, emotional etc) they might have faced.

EDUCATION

Dual Degree (B.Tech. & M.Tech.) in Computer Science and Engineering with minor in Industrial Engineering

Indian Institute of Technology Madras

Aug 2013-May 2018 CGPA 9.39/10

High School

Bethany Vidyalaya

Mar 2012-Feb 2013 Score: 93.3/100

KEY MILESTONES

- Higher Education for All**
Helped tribal students from underrepresented region to secure rank in national engineering entrance exam.
- SN Bose Scholarship**
Among 50 students in India to receive funding from Government agencies to conduct research in US university.
- SSAN Educational Aid**
Proud recipient of educational aid from SSAN Trust made with a noble intention to help deserving students requiring financial help for bachelors.
- Kishore Vaigyanik Protsahan Yojana**
Scholar of National Fellowship program which identifies students with aptitude for research to promote research and development in country.

VOLUNTEERING

- English for Visually Challenged**: Taught spoken English to visually challenged in a blind school at Chennai for a year.
- Smile for Cancer Patients**: Helped cheer up children suffering from cancer by organizing different activities in children cancer hospital under NSS IITM.
- Wildlife Conservation**: Worked on the beaches of Chennai, protecting eggs of endangered turtle species with Students Sea Turtle Conservation community.
- Collection for Charity**: For a year, collected groceries, and donations from residential households in IIT Madras for charity under NSS DOS Collection Drive.