Punyajoy Saha

Email: punyajoys@iitkgp.ac.in
Online presence: Linked in, Researchgate, Github,
Website: https://punyajoy.github.io/

3/A, Shakuntala Apartments,
224-A, Anadamath, Ichapur,
Nawabganj, N-24 Parganas,
West Bengal, India-743144.
(+91) 9968982501

Research Experiences

MAY 2019 - DEC 2019
- **CNeRg Lab, IIT Kharagpur**– *JRF sponsored by the project "Cognitive Stimuli: Detecting and Generating Exaggeration in Online and Social Media Content" (CSAM).*

AUGUST 2019 - SEPTEMBER 2019
- **Language Technology Group, University of Hamburg, Germany**–*Intern, worked on developing the backend for Forum 4.0 project.*

MAY 2018 - APRIL 2019
- **CNeRG Lab, IIT Kharagpur**–*Intern, worked on Detection of Hate Speech in Online Social Networks.*

MAY 2017 - JULY 2017
- **Neurocomputing Lab, IIT Delhi** –*Intern, worked on Analysis of Hindi letters and Hindi documents comprehension using Eye Tracking.*

Education

JAN 2020 - Present
Indian Institute of Technology, Kharagpur – *1st year PhD student, Computer Science and Engineering, IIT Kharagpur.*
- Current CGPA - 9.3
- Member of CNeRG lab.
- Working on analysis, detection and countering hatespeech in social media.

JULY 2015 - MAY 2019
Indian Institute of Engineering Science and Technology, Shibpur – *B.Tech in Computer Science and Technology*

- Graduated with CGPA of 8.93
- Computer Vision Head at Robodarshan, the robotics club of Indian Institute of Engineering, Science and Technology Shibpur(2017-18)

Awards and Achievements

- Winner of the worldwide Facebook+Social Science One data grant.
- Winner of offensive speech detection competition for the German language at HASOC 2019.
- The preprint "Hateminers: Detecting hatespeech against women" got recognised as the best preprint of the week. See here
- Winner of the misogynistic text classification competition for the English language in AMI Evalita-2018. (preprint, code)
- The paper " Modifications of KNN algorithm" own the best paper award in FOSET Paper presentation. See here

Publications

1. The paper "Hate begets Hate: A Temporal study of Hate speech" was accepted at CSCW 2020 (paper,code)
2. The paper "Deep learning models for multilingual hate speech detection" was accepted at ECML-PKDD 2020 (paper,code)
3. The paper "HateMonitors: Language Agnostic AbuseDetection in Social Media" was accepted at HASOC track in FIRE 2019, Kolkata. (paper, code)
4. The paper "Thou shalt not hate: Countering Online Hatespeech" was accepted at the international conference- ICWSM-2019, Munich, Germany. (paper,code).
5. The paper "*Effect of Devanagari Font Type in Reading Comprehension: An Eye-Tracking Study*" was presented at the international conference IHCI-2018, Allahabad, India. The paper was also a part of the book "*Lecture Notes in Computer Science*" published by Springer. Paper.
6. The paper "*Document categorisation using graph structuring*" was presented at the international conference ICCACP-2017, Sikkim, India. Paper

Talks

- Invited talk on the topic of "Generative Adversarial Network" along with a short demo presented at the Deep Learning Workshop at IIEST, Shibpur.Link

Referees

- Prof. Animesh Mukherjee, Associate Professor in Computer Science and Engineering, IIT Kharagpur, animeshm@cse.iitkgp.ac.in.
- Prof. Pawan Goyal, Assistant Professor in Computer Science and Engineering, IIT Kharagpur, pawang.iitk@gmail.com.
- Prof. Chris Biemann, Professor for Language Technology, University of Hamburg, biemann@informatik.uni-hamburg.de
- Kiran Garimella, Michael Hammer Fellow, MIT Institute for Data, Systems, and Society, garimell@mit.edu