Sayan Ghosh

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Education

The University of North Carolina at Chapel Hill   **Chapel Hill, NC, USA**
PhD in Computer Science   *Fall 2019–Present*
Research Area : Natural Language Processing
Advisor : Prof. Shashank Srivastava

Indian Institute of Technology Kharagpur   **Kharagpur, India**
B.Tech (Hons.) in Computer Science and Engineering   *2014–2018*
CGPA 9.54/10.0

Publications

○ **PRover: Proof Generation for Interpretable Reasoning over Rules**
Swarnadeep Saha, Sayan Ghosh, Shashank Srivastava, and Mohit Bansal
EMNLP 2020 (to appear)

○ **Analysing the Extent of Misinformation in Cancer Related Tweets**
Rakesh Bal, Sayan Sinha, Swastika Dutta, Rishabh Joshi, Sayan Ghosh, Ritam Dutt
ICWSM 2020

○ **Exploring Color Variations for Vector Graphics**
Sayan Ghosh, Jose Echevarria, Vineet Batra, Ankit Phogat
SIGGRAPH 2019 (Poster)

○ **DeepTagRec: A Content-cum-User based Tag Recommendation Framework for Stack Overflow**
Suman Kalyan Maity, Abhishek Panigrahi, Sayan Ghosh, Arundhati Banerjee, Pawan Goyal and Animesh Mukherjee
ECIR 2019

○ **Public Sphere 2.0: Targeted Commenting in Online News Media**
Ankan Mullick, Sayan Ghosh, Ritam Dutt, Avijit Ghosh and Abhijnan Chakraborty
ECIR 2019
Won best poster presentation award

○ **QoS-Aware Dynamic Caching for Destroyed Virtual Machines in Sensor-Cloud Architecture.**
Arijit Roy, Sudip Misra and Sayan Ghosh
ICDCN 2018

○ **Mining Twitter and Taxi Data for Predicting Taxi Pickup Hotspots.**
Sankarshan Mridha, Sayan Ghosh, Robin Singh, Sourangshu Bhattacharya and Niloy Ganguly
ASONAM 2017

Patents

○ **Weighted Color Palette Generation**
Ankit Phogat, Sayan Ghosh, Vineet Batra
Application US16/685,589 (Filed Nov 2019)

○ **Flow-Based Color Transfer from Source Graphic to Target Graphic**
Ankit Phogat, Sayan Ghosh, Vineet Batra, Stephen DiVerdi, Scott Cohen
Application US16/533,308 (Filed Aug 2019)

Job Experience

Adobe Inc. **Noida, India**
Adobe Illustrator team *July 2018 - July 2019*
I was part of Adobe Illustrator team in Adobe Inc. (formerly known as Adobe Systems Pvt. Ltd.) I was involved in research and development projects involving computer vision and vector graphics.

Internships

Adobe Research, BigData Experience Labs **Bangalore, India**
Research Intern *Summer 2017*
Guide: Iftikhar Ahamath Burhanuddin and Prakhar Gupta
Topic: Conversational Agents for Enterprise

National Digital Library of India **IIT Kharagpur, India**
Summer Intern *Summer 2016*
Guide: Prof. Sudeshna Sarkar and Prof. Partha Pratim Das
Topic: OCR correction on Bengali documents

ISI Cryptology Summer Internship **ISI Kolkata, India**
Research Intern *Summer 2015*
Guide: Prof. Bimal K. Roy
Topic: Multiple Threshold Secret Sharing

Bachelor's Thesis

Title: *Data Gradation and Storage Optimisation for IoT Data*

Advisors: Prof. Niloy Ganguly and Suparna Bhattacharya (Hewlett-Packard Enterprise)

Description:
- Develop a data gradation algorithm to grade the data received from IoT devices.
- Prepare a optimised storage mechanism by modifying the Unix Kernel code so that the more important data can be retrieved faster
- Prepare a 2-tier view of the stored data for the end-user

Academic Achievements

- Won best poster presentation award at ECIR 2019.
- Recipient of Jagadish Bose National Science Talent Search (JBNSTS) Scholarship Award 2014.
- Recipient of Jawaharlal Nehru Scholarship-2014 for outstanding result in CBSE-AISSCE and Joint Entrance Examinations.
- Received Governor's Award for good performance in Higher Secondary Exam
- Secured AIR 1038 in JEE Advanced-2014, AIR 270 in JEE Main-2014 and 8th rank in WBJEE-2014
- Recipient of Kishore Vaigyanik Protsahan Yojana fellowship in SX stream (2013-14) by securing rank 171
- Placed in National Top 1% and qualified for Indian National Chemistry Olympiad and Indian National Astronomy Olympiad.

Professional Services/Activities

- **Reviewer :** EMNLP 2020, AAAI 2020
- **Volunteer :** ACL 2020