

# Sayan Ghosh

SN 330, Sitterson Hall, 201 Columbia Street, Chapel Hill

✉ sayghosh@cs.unc.edu • 📄 sgdgp.github.io

## Education

### The University of North Carolina at Chapel Hill

*PhD in Computer Science*

Research Area : Natural Language Processing

Advisor : Prof. Shashank Srivastava

Chapel Hill, NC, USA

*Fall 2019–Present*

### Indian Institute of Technology Kharagpur

*B.Tech (Hons.) in Computer Science and Engineering*

CGPA 9.54/10.0

Kharagpur, India

*2014–2018*

## Publications

- **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.

*Adobe Illustrator team*

Noida, India

*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

*Research Intern*

Guide: Iftikhar Ahamath Burhanuddin and Prakhar Gupta

Topic: Conversational Agents for Enterprise

**Bangalore, India**

*Summer 2017*

### National Digital Library of India

*Summer Intern*

Guide: Prof. Sudeshna Sarkar and Prof. Partha Pratim Das

Topic: OCR correction on Bengali documents

**IIT Kharagpur, India**

*Summer 2016*

### ISI Cryptology Summer Internship

*Research Intern*

Guide: Prof. Bimal K. Roy

Topic: Multiple Threshold Secret Sharing

**ISI Kolkata, India**

*Summer 2015*

## 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
- **Volunteer** : ACL 2020