Contact

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Top Skills

Android Development

Java

Data Structures

Languages

English (Full Professional)

Hindi (Native or Bilingual)

Honors-Awards

Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship

Regional Mathematics Olympiad

Indian National Olympiads

SCRA

National Abacus Champion

Publications

Representation Learning on Graphs - A Survey

Anatomy of a Rumour: Social media and the suicide of Sushant Singh Rajput

PickMe - IITD

Ideology Detection in the Indian Mass Media

Price Forecasting & Anomaly Detection of Commodity Prices in India

Ankur Sharma

Researcher at Microsoft Research (MSR)
New Delhi

Summary

Hello,

I am currently working as a research intern at Microsoft Research (MSR) India in the Technology for Emerging Markets (TEM) group for the Social Media Analysis team under the supervision of Joyojeet Pal. My work is centred around analysing the political discourse on Twitter across various states and parties in India. I have graduated with a Dual Degree (B.Tech + M.Tech) in Computer Science and Engineering from the Indian Institute of Technology (IIT), Delhi with specialisation in Applied Machine Learning. My primary research interests lie in the applications of machine learning in the real world to create a positive societal impact by helping people in tackling humanitarian & environmental challenges. Applied Machine Learning entails the need for cross-domain research that spans several related areas in media studies, social science, language, and cognition, amongst others. Apart from this, I have a solid foundation in core computer science including Systems Engineering and Operating Systems. My long-term career plan is to be a researcher in applied machine learning – either in industry or in academia.

Feel free to contact me.
Email: ankursharma.iitd@gmail.com
Github: /ankursharma-iitd

Experience

Microsoft
Research Intern
July 2020 - Present (5 months)
Bengaluru, Karnataka, India

I'm working with Prof. Joyojeet Pal at Microsoft Research (MSR) India on analysing the twitter feeds of politicians in India and in the US. My recent

research projects have been centred around the use of social media platforms in mainstream politics, specifically around political brand building in India.

Indian Institute of Technology, Delhi
1 year 2 months

Teaching Assistant
January 2020 - August 2020 (8 months)
New Delhi Area, India

I'm currently working as a Teaching Assistant for COL 380 (Parallel & Distributed Programming) Course at IIT Delhi under Prof. Rijurekha Sen.

Teaching Assistant
July 2019 - December 2019 (6 months)
New Delhi Area, India

I'm a TA for the course - Data Structures & Algorithms (COL 106) under the supervision of Prof. Subodh Kumar, and responsible for managing 350+ students assignments, grading, quizzes, etc.

HKUST Engineering Masters
Research Delegate
July 2019 - July 2019 (1 month)

Selected for an all-expenses paid research summer camp by HKUST Seng School of Enginnering - Elite Student 2019.

Microsoft
Software Engineering Intern
May 2019 - July 2019 (3 months)
Bengaluru Area, India

Worked on Microsoft's Outlook contextual add-ins recommendation system for real time add-ins recommendations while composing/reading email with direct installation and launch integrated platform.

Massachusetts Institute of Technology
Visiting Researcher
December 2018 - May 2019 (6 months)
Cambridge, Massachusetts

I was working on the applications of deep learning & computer vision in wireless networks to articulate pose estimation & activity recognition by leveraging RF signals under the supervision of Prof. Dina Katabi.

Harvard Project for Asian and International Relations (HPAIR)

Delegate for Energy & Environmental Sustainability
December 2018 - February 2019 (3 months)
Cambridge, Massachusetts

Represented as one of the 300 delegates from all over the world for the HPAIR
Harvard College Conference held at Harvard University, USA in Feb 2019

Microsoft
Software Engineering Intern
May 2018 - July 2018 (3 months)
Bengaluru Area, India

I was working on the storage aspects in the Azure Cluster and specifically
working to remove bottlenecks with specific optimizations done at the levels
of the file system at each node. The work is pretty interesting and gives an
exposure to the cloud computing services which should be efficient and
scalable when you are dealing exabytes of data each day.
Received Pre-Placement Offer from Microsoft after the successful completion
of summer internship.

University of Illinois at Urbana-Champaign
Research Assistant
May 2017 - July 2017 (3 months)
Urbana-Champaign, Illinois Area

I was working on a project in the field of Manufacturing Security. The project is
intended to protect factory machines from various attackers who try to steal the
sensor data and then extract useful information.
The project aims to secure infrastructure hardware(e.g. 3D printing devices)
using state-of-the-art cybersecurity methods, and devises strategies to
automate the data reconstruction process associated with such attacks. The
way this project directly maps physical concepts to theoretical cryptography is
quite remarkable.

Assistive Technologies Group
Android Developer
January 2017 - April 2017 (4 months)
Assistech Labs, IIT Delhi

The project was done under the course COP 315 – An Embedded Design
project, in IIT Delhi, under Prof. M. Balakrishnan in 2017. We designed a
platform comprising of a Desktop IDE, and an android app. The purpose of the
project is to assist blind people in reading data from the tactile sheets using an
android app which plays the audio of the part corresponding to a click-gesture
using real-time finger scanning. To find more about the project, follow the link.

TRYST, IIT Delhi
Activity Head, Events
January 2017 - March 2017 (3 months)
IIT Delhi

PickMe - IITD
Co-Founder
January 2016 - January 2017 (1 year 1 month)
New Delhi Area, India

Use PickMe to order a rickshaw at your footstep in this scorching heat. Just
pick your phone up, tap a button to get the number and make the call, the
rickshaw will come to you. PickMe makes use of GPS to connect you with the
nearest three available rickshaws in the IIT Delhi campus. Then you are just
one call away. It is fast, simple and works on just one click. The charges are
the same as normal rickshaw rates, that is, there is no extra cost for using the
app.** Exclusively functional for IIT Delhi
**Now you don't need to walk back from institute area to your hostel, just order
a rickshaw. The application is designed to save the hassle of all IITD residents.
There is NO EXTRA CHARGE for using the app to call the rickshaw. PickMe is
operational at every point inside the campus.

Rendezvous IITD
Team Head
June 2016 - October 2016 (5 months)
IIT Delhi

Publicity

Waste Warriors
Android Developer
May 2016 - July 2016 (3 months)
IIT Delhi

Designed a Waste Management Android Application that stores type, and
quantity of waste among different blocks of the village, and synchronises this
data on the MySQL database online, aiding in quick-data analytics.

Education

Indian Institute of Technology, Delhi
Dual Degree : Bachelors & Masters, Computer Science and
Engineering · (2015 - 2020)

Seth Anandram Jaipuria School

Class XII, CBSE · (2013 - 2015)

St. Mary's Convent School

Class X, ICSE · (2007 - 2012)