

# IKNOOR SINGH

4<sup>th</sup> Year B.E. Student

Information Technology Department

University Institute of Engineering and Technology, Panjab University

+91 8053232255

iknoor.ai@gmail.com

iknoorjobs.github.io

## EDUCATION

Year	Degree	Institute	Percentage/CGPA
2016-2020	Information Technology Engineering (B.E.)	UIET, Panjab University	<b>CGPA=8.39/10</b> (Aggregate till 6 <sup>th</sup> semester)
2016	Class XII CBSE	Army Public School, Ambala Cantt	<b>95.6%</b> (PCM)

## EXPERIENCE

### **IBM Research Lab, India (Research Intern)**

**Jun 2019-Present**

Currently working as an IBM Global Remote Mentoring project intern on "Computational Identification of Political Ideology in Text" under the guidance of Dr Sumit Bhatia, IBM Research AI, India.

### **Queen's University Belfast, UK (Remote Intern)**

**Jan 2019-May 2019**

Worked as a remote intern under the guidance of Dr Deepak Padmanabhan, Assistant Professor, Queen's University, on the subject "Lexical coherence aspect of misinformation".

### **Design Innovation Centre, Panjab University (Research Intern)**

**June 2018-Dec 2018**

Worked on Similarity analysis and Plagiarism detection for Punjabi language using Natural language processing. This project was sponsored by MHRD India to work on Indian dialects.

### **Santulan Technologies (Summer Intern)**

**May 2017-Aug 2017**

Santulan Technologies is an artificial intelligence startup. As an intern, I did research work on a project involving the use of machine learning in optical character recognition domain.

## PUBLICATIONS

Iknoor Singh, Deepak P and Anoop K, "On the Coherence of Fake News Articles", in *New Generation Computing Journal*, 2019. (Under Review)

Iknoor Singh, Vijay Paul Singh and Naveen Aggarwal, "Comparative Study on Punjabi Document Clustering", in *International Conference on Communication and Intelligent Systems (ICCIS 2019)*, India, 2019.

Pranav Shankar, Rajat Kaushal and Iknoor Singh, "Analyzing Varied Approaches for Forecast of Stock Prices by Combining News Mining and Time Series Analysis", in *IEEE International Conference on Computing, Power and Communication Technologies (GUCON 2019)*, India, 2019.

Akanksha Chuchra, Iknoor Singh, Vijay Paul Singh and Naveen Aggarwal, "Similarity Analysis & Plagiarism Detection for Punjabi Documents using NLP", in *Proceedings of the 11th Annual ACM India Compute Conference*, Chandigarh, India, 2018.

## PROJECTS

### Crime Mapping and Prediction

Implemented an algorithm that takes safety as the constraint to compute the safest optimum path from one place to another. Also, deployed a supervised machine learning model for crime prediction at a particular place and at a particular time. Got **Third prize** from over 3000 teams in a hackathon conducted by Nagarro co.

### Search Through Video

Search through the video to find the exact time at which the sub-topic is being taught or discussed in a long monotonous video. This prevents manual searching through video and saves a lot of time.

Got **First prize** for this project in a hackathon conducted by Design Innovation Center, Panjab University.

### Automatic Evaluation

Automatic assessment of subjective answers using Natural Language Processing based evaluation. Built a web app to check the semantic similarity of the solution given by the user with that of original answer written in the database and give marks accordingly. Got **First prize** for this project in a hackathon conducted by IIT BHU.

## COMPUTER SKILLS

**Programming Languages :** C/C++, Python, SQL, HTML, CSS, JavaScript

**Interests:** Machine Learning, Natural Language Processing, Algorithms & Data Structures

**Platforms:** macOS and Windows

## EXTRA CURRICULAR ACTIVITIES

- ☐ Got selected as **Microsoft Student Partner** for the academic year 2017-18. I learned various Microsoft technologies including the development and deployment of machine learning models in Azure cloud. I am a part of the programming club where I constantly mentor and introduce students to the new technologies by taking seminars and development sessions.
- ☐ Team lead at **AIESEC**, the world's largest youth-run organization associated with the **UN**.
- ☐ Competitive Programming. Got **24th rank** in India in Code-n-counter conducted by Hackerearth.
- ☐ Love to explore cosmos and keep myself up to date with **Astronomy** news.
- ☐ An active member of **SOREM society (NGO)**. It's a Society for Rehabilitation of Mentally Challenged. I have been involved in various social events including teaching and helping the disabled children.
- ☐ Coordinated events held in college. **Team lead** for organizing college fest events, Model United Nations, TED talks and many more.