Akul **Mehra**

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Edu**cation**

University of Twente	*Enschede, Netherlands*
M.Sc. in Computer Science	*2018 - 2020*

- Specialization: Data Science & Technology Track

Maharaja Surajmal Institute of Technology	*New Delhi, India*
B.Tech. in Computer Science & Engineering	*2014 - 2018*

- Cumm. Percentage: **81.3%**

Faith Academy Senior Secondary School	*New Delhi, India*
High School	*2002 - 2014*

- Graduated securing 2nd Rank, Computer Science and Mathematics Topper
- All India Senior School Certificate Examination 2014: **93.80%**
- All India Secondary School Examination 2012: **8.8/10 CGPA**

Exp**erience**

Philips Research	*Eindhoven, Netherlands*
Data Science Intern	*July 2019 - Nov 2019*

- Develop Smart Search Information Retrieval System for supplier scouting done by Procurement Department
- Worked in collection, indexing and clustering of documents to improve the user experience for supplier scouting
- Technical Stack used: Python, Selenium, Jupyter Notebook, Flask, Elasticsearch, Celery

University of Twente	*Enschede, Netherlands*
Teaching Assistant Data Science	*Feb 2019 - April 2019*

- Assist students pursuing Data Science course at UTwente
- Provide guidance in topics related to Data Mining, Machine Learning and Time Series Analysis

Hennge K. K.	*Tokyo, Japan*
Software Engineering Intern	*March 2018 - April 2018*

- Worked on analyzing sensor data points
- Designed scalable application for visualizing sensor data
- Helped in performing actions such as manage & free resources for users

SocialCops	*New Delhi, India*
Research and Development Intern	*April 2017 - Sept. 2017*

- Worked in data collection and processing pipeline to make data-driven decisions
- Developed web dashboard for managing and automating parsers
- Designed and developed district level profile of India under NITI Aayog Policy

Inspiration Edge	*Gurugram, India*
Python Developer	*Jan. 2016 - Feb. 2016*

- Worked on data extraction and data analysis techniques on various government websites
- Design database schema to store collected data in organized and optimized manner
- Technical Stack used: Python, Selenium, Scrapy, MongoDB

Hac**kathons**

AngelHack Jaipur	*Jaipur, India*
Code4Impact Winner	*July 2016*

Developed an Analytics based Web Application for Campaign Management for NPO, which provides User Engagement through automated emails/sms and suggests business decisions to improve its user activity and impact.

Skills & Interests

Programming	Python, C/C++, JavaScript, LaTeX
Libraries	Numpy, Pandas, Sklearn, Matplotlib, Seaborn
Web	HTML5/CSS3, Twitter Bootstrap, jQuery, Flask
Areas of Interest	Data Science, Machine Learning & Automation, Management & Entrepreneurship

Projects

PUBG Rank Prediction
A Kaggle competition based Machine Learning project created to predict the ranking of Player Unknown's Battle Grounds (PUBG) players, given their match statistics such as distance travelled, enemies killed, heal items collected etc. and understanding what attributes make a player winner. **Competition Link**

Investigating Popularity of Programming Languages
Processing big data from stack Overflow to inspect how the popularity of different programming languages with respect to a certain topic change over time, such as comparing Python, R & Scala for Machine Learning and Big Data topics. Also, analyzing the distribution of Stack Overflow users with respect to the popularity across the countries. **Link**

World Time Zone Map
A web application based visualization using D3.js to show time zones on a world map. Designed to identify different time zones of various countries, countries with multiple time zones and the current time over a specific region. **Link**.

Police Analysis Dashboard
Data Science project focused on collecting, processing and analyzing of tweets from Indian Police. Data is collected using Twitter api and scrapers. A web application based dashboard is created which shows the user activity and visualizations for better interactivity. **Link**.

Conferences & Presentations

PyCon X Italia *Florence, Italy*
SPEAKER FOR "PREDICTING HUMAN ACTIVITY USING TIME SERIES ANALYSIS" - **TALK ABSTRACT** *May 2019*

PyData Delhi 2017 *New Delhi, India*
CO-CHAIR AND ORGANIZER OF THE FIRST PYDATA CONFERENCE IN INDIA *Sept. 2017*

SocialCops *New Delhi, India*
SPEAKER FOR "DATA SCIENCE TOOLKIT" *Aug. 2017*

PyData Delhi Meetup *New Delhi, India*
SPEAKER FOR "INTRODUCTION TO DATA SCIENCE" *Apr. 2017*

MLH Local Hack Day 2016 *New Delhi, India*
SPEAKER FOR "INTRODUCTION TO WEB SCRAPING" *Dec. 2016*

PyCon HK 2016 *Hong Kong*
SPEAKER FOR "DEMYSTIFYING DECORATORS" - **TALK ABSTRACT** *Oct. 2016*

Honors & Awards

2017	**CTF Winner**, Wingify Devfest 2017	*New Delhi, India*
2017	**CTF Winner**, PyData Delhi Meetup	*New Delhi, India*
2016	**1st Runner Up**, AlgoJam, Avensis	*New Delhi, India*
2016	**Best Technical Event**, Hack@MSIT, Avensis	*New Delhi, India*

Program Committees

2017	**Co-Chair & Organizer**, PyData Delhi Conference 2017	*New Delhi, India*
2016	**Co-Founder & Co-Organizer**, PyData Delhi	*New Delhi, India*
2016	**Co-Organizer**, Dev Sprints, PyCon India 2016	*New Delhi, India*
2016	**Co-Organizer**, MLH Local Hack Day Delhi 2016	*New Delhi, India*
2016	**Co-Organizer & Co-Ordinator**, Hack@MSIT 2016 Edition	*New Delhi, India*