

Ishan Nangia

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EDUCATION

Sri Venkateswara College, Delhi University <i>Bachelor of Science (Honors) in Statistics</i> CGPA	Delhi, India 2016 – 2020 8.43/10
Delhi Public School, Sec-45 <i>C.B.S.E (Class XII)(Commerce)</i> Percentage	Haryana, India 2014 – 2015 96%

SELECTED WORK EXPERIENCE

<u>Volunteer Data Scientist</u> <i>A Rocha India</i> <ul style="list-style-type: none">Helping in creating and managing multiple projects including building a dashboard and a Re-ID/Annotation system.Doubling up as a Project manager by working on tools like Trello and actively writing product specs.	July 2022 – Present
<u>Data Scientist</u> <i>Locus.sh</i> <ul style="list-style-type: none">Worked on projects involving building of a forecasting system, thorough cleaning and modelling of unclean data, ranking systems, NLP methods, and creation of our data pipeline.Engaged in dealing with different stakeholders, clients, and writing product specs.	Dec 2021 – Present
<u>Visiting Scholar</u> <i>Max Planck Institute for Software Systems</i> <ul style="list-style-type: none">Worked under Dr.Krishna P. Gummadi on problems involving Reinforcement Learning, Dynamic Programming, and Fairness in Machine Learning.	May 2021 – Oct 2021
<u>Research Intern</u> <i>Indraprastha Institute of Information Technology Delhi</i> <ul style="list-style-type: none">Worked under Dr.Tavpritesh Sethi on building a Reinforcement Learning-based Android Launcher for People with Motor Impairments.	Mar 2021 – Oct 2021
<u>Machine Learning Research Assistant</u> <i>Indian Institute of Technology Delhi</i> <ul style="list-style-type: none">Worked under Dr.Rijurekha Sen on problems involving Spatiotemporal Interpolation, Gaussian Processes, Differential Privacy and Graph Neural Networks.	Jul 2020 – Mar 2021
<u>Statistics Research Assistant</u> <i>Sri Venkateswara College, Delhi University</i> <ul style="list-style-type: none">The only student selected from my batch to work under Dr. Veena Budhraja on her Design of Experiments research.	Jan 2020 – Mar 2020
<u>Data Science Intern</u> <i>Red Dot Foundation-Safecity</i> <ul style="list-style-type: none">Built a chatbot using Dialogflow and python for Safecity's website and Facebook page and also deployed it using Flask.Customized it to answer varied queries and analyze intent and scraped to build a database of Indian NGOs.	Aug 2019 – Sep 2019
<u>Machine Learning Intern</u> <i>Genpact, Noida</i> <ul style="list-style-type: none">Used multiple classification models to classify emails into different types and subtypes. Increased accuracy from 30% (baseline) to 75%.Performed classification of emails to identify which ID they were coming from (over 7000 different unique IDs) based on extremely sparse information.	Jun 2019 – Aug 2019

SELECTED PROJECTS

<u>iWildCam 2020 - FGVC7</u> <i>Kaggle Research Competition</i> <ul style="list-style-type: none">Built a camera trap animal detection model collating image datasets from different sources and placed in the top 13%Competition link: kaggle.com/c/iwildcam-2020-fgvc7/overview	Mar 2020 – Apr 2020
<u>Cryptocurrency Price Analysis</u> <i>Supervised by Dr.Akash Varshney</i> <ul style="list-style-type: none">Performed in depth time series analysis on data of different cryptocurrencies and compared Simple Exponential Smoothing, Holt's Linear trend, ARIMA and Prophet for forecastingProject link: github.com/beatboxerish/crypto_research_proj	Sep 2019 – Nov 2019
<u>Internship Recommendation System</u> <i>Udacity Data Science Nanodegree Capstone</i> <ul style="list-style-type: none">Scraped internship related data, built a hybrid internship recommendation system using a combination of knowledge and content-based models and deployed the final product as a Command Line Interface application.Project link: github.com/beatboxerish/Internship-Recommendation-System	Mar 2019 – Apr 2019

RESEARCH PAPERS

Microsoft Student Partner	Jan 2020 – Jan 2021
Co-Founder/President of Boolean: Sri Venkateswara College's first tech society	Sep 2019 – May 2020
Founder of Indian Beatboxers United	Dec 2015 – Dec 2018

POSITIONS OF RESPONSIBILITY

Microsoft Student Partner	Jan 2020 – Jan 2021
Co-Founder/President of Boolean: Sri Venkateswara College's first tech society	Sep 2019 – May 2020
Founder of Indian Beatboxers United	Dec 2015 – Dec 2018

TECHNICAL SKILLS

Languages: Python, C/C++, R

Libraries and Frameworks: gpytorch, gpflow, gpy, matplotlib, seaborn, sklearn, pandas, numpy, fast.ai, keras, pytorch