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# ISHAAN SHARMA

Data Scientist

GitHub: ishaansharma  
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He is a Data Scientist with an experience of more than 5 years and expert in Natural Language Processing especially in Language Modeling and Machine Translation and Image Detection and Recognition . He is experienced in handling Big data involving GIS,Image,Time-series Data. His professional objective is to connect the technology with the people to solve real life problems. He also has ACTIVE B1/B2 USA Visa.

## SKILLS

<b>Tools and Languages</b>	Bash, JSON, Jupyter Notebook, Python, Git, $\text{\LaTeX}$ , Dbeaver, KNIME, Markdown, CUDA, sickit-learn, Pandas, Numpy, Matplotlib, Geopandas, DASK, Tensorflow, Pytorch , Keras, Dagster, R, Tensorflow, Pytorch, QGIS, Docker,AWS,Tableau
<b>Quantitative Research</b>	Natural Language Processing, MySQL, Seq2Seq Text Generation and tagging, Summarization,POS tagging,Language Modeling using LSTM,RNN,BiLSTM,Transformer Model with attention,CNN architecture model,ETL on Big Data with Airflow and Dagster,Kafka,Spark, Geo-Special Analysis,recommendation systems.

## TECHNICAL EXPERIENCE

### Data Scientist / DEEPDARSHAK - AI Maritime Surveillance

May 2019 — Present

*Crimson Energy Experts Pvt. Ltd.*

*New Delhi, India*

- Developed Machine Translation Models using Alpha Numeric Textual Data with BLEU Score of more than 80.
- Developed models to Predict Future Locations and associated features on Geo-spatial Data.
- Developed models to detect images from SAR Images after Training on FAST-RCNN, YOLOv6 and Centerstage .
- Worked on Open-NMT , Pytorch and Tensorflow and built and tested models and deployed into production using gRPC.
- Data wrangling, Rapid prototyping, A/B testing, analyzing and deploying ML models using 1 Billion AIS messages & tuning their hyper parameters.
- Developing Language Models from scratch using Hugging face.
- Active team member to build ETL Pipeline to ingest data to our database.
- Developed Algorithms based on the use case to analyse and produce results using DAGS driven environment in periodic intervals.
- Lead Team to build Back-end and front-end , Guided Building APIs using FastAPI

### Artificial Intelligence Consultant / Voice Chatbox & Drone Surveillance

AUG 2018 — APR 2019

*Sysoln (Sole Proprietorship)*

*New Delhi, India*

- Trained more than 1000 students in Various IITs and NITs on Topics like Machine Learning & Data Science.
- Built Voice Chatbot using RASA, Dialogflow & Chatterbox
- Drones Surveillance using YOLOv3 for detecting Object in real-time feed.
- Noise Reduction & Annotated 500000 custom objects images for the model.

### Machine Learning Engineer / AI Email Client

MAR 2018 — AUG 2018

*DRC Technologies India*

*New Delhi, India*

- Building firefox and chrome extensions in javascript.
- Building classification models using various ML algorithms to detect anomalies in an Email.
- Managing the team of 3 interns.

### Founder / timesofhacker.com

JUN 2016 — FEB 2018

*The Times of Hacker*

*New Delhi, India*

- Developed Websites Back end & front end that handled 250000 page views.
- Set-up DNS, Prevented DOS Attack
- Penetration Testing on Websites, Reverse Engineering the Viruses.
- The Times of Hacker became Media Partner with Global Cyberlympics (EC-Council) & Hack In Paris

## EDUCATION

**MS Computer Science Specialization in Machine Learning**, Georgia Institute of Technology, Atlanta, USA

FALL 2022 - Present

**Bachelor of Technology in Computer Science & Engineering**, Amity School of Engineering & Technology, Amity University Rajasthan

AUG 2012 - MAY 2016

## PUBLICATIONS

**Drone Navigation With Miliwave Radar** at The 2015 Symposium on Indoor Flight Issues | International Aerial Robotics

Competition.

Beijing, China 2015