

ASHUTOSH MISHRA

CONTACTS

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SKILLS AND PACKAGES

- Machine Learning,
- Deep Learning,
- Natural Language Processing,
- Data Visualization,
- Image Processing,
- Web Scrapping.

TensorFlow, Keras, Pytorch ,
Scikit -Learn, Pandas,
Numpy, Flask, Django,
OpenCV.

INTERESTS

- Reading Blogs
- PC building
- Watching Hardware Vlogs
- Japanese Culture

Education

Indira Gandhi Institute of Technology, Sarang - B. Tech

AUGUST 2015 - APRIL 2019

Studied Computer Science and Applications Engineering.

DAV Public School, PKT - Higher Secondary

May 2013 - APRIL 2015

Studied in Science stream in CBSE and scored a percentage of 86.4% in class XII.

DAV Public School, Garage Chhack - Secondary

MAY 2003 - APRIL 2013

Studied in Science stream in CBSE and secured a 10 CGPA in class X.

Work Experience

Intel Index LLC - Data Science Intern

NOV 2017 - MAR 2018

Process economic/finance domain algorithms and methods for feature extraction.

Use LSTM, Dynamic Time Warping, Clustering and scalable methods to build prediction system.

Create a GDP prediction system with 5% more accurate than IMF.

Tech: Deep Learning, LSTM, GRU, DTW, Ensemble models.

TINO IQ - Machine Learning Intern

APR 2018 - AUG 2018

Financial data modelling.

Statistical analysis on long term prediction for S&P 500 with 92% accuracy.

Testing and developing models for stock price prediction.

KG LLP - Data Science Intern

APR 2018 - AUG 2018

Developing backend for deploying a server for day-stock prediction and trading. Predicting long term dependencies for NIFTY using xgboost and ensemble of catboost and LightGBM.

Creating an uncertainty system using keras to check uncertainty for a given day.

Projects

Deep Representation of Textual descriptions

Generating real and abstract images from text descriptions of visual representations using self - Attention-GAN and word embeddings for MS-COCO 2017 dataset.

Tech: Deep Learning, AttnGAN, StackGAN, Encoder-Decoder, CNN, Pytorch.

Limbic AI

Adversarial AI that generates an emotion like fear and reduces the chance of misuse of it by limiting its work environment.

Tech: Deep Learning, Adversarial Network, GANs, Python, TensorFlow, Keras.

Doodle-GAN

Generating new doodle images things like hands, flowers, etc. from Google Doodle dataset, using Generative Adversarial Network.

Tech: Deep Learning, Python, GANs, TensorFlow.

The Weather Bot

The AI "THE-BOT" is a community driven smart bot which is build using flask and Restful API responsive, which gives you a Weather, Distance and your IP.

Tech: Python, Google maps API, BS4, Flask.

Certificates

- Improving Deep Neural Networks: Hyperparameter tuning.

- Recurrent Neural Networks.

- Structuring Machine Learning Projects.

- GCP Intro to TensorFlow and Feature Engineering

- Convolutional Neural Network.

- Feature Engineering.

Achievements

- Finalist in first All India AICTE Hackathon

- Finalist in AICTE Vishwakarma Smart College Hackathon

- TCS IT quiz Qualifier